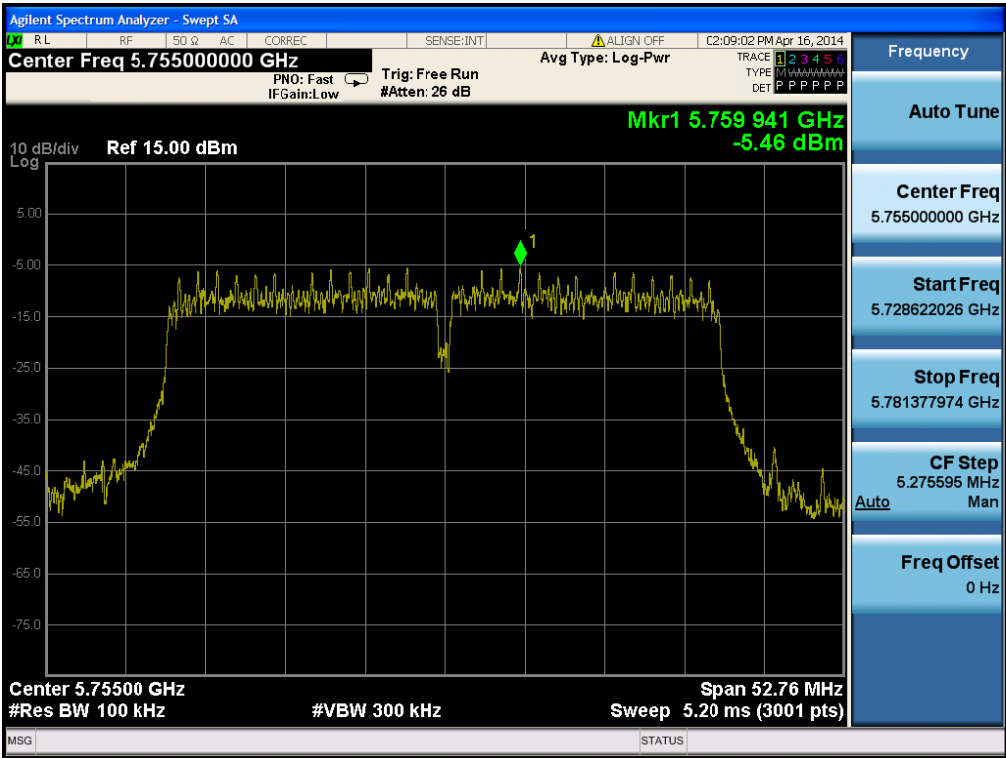
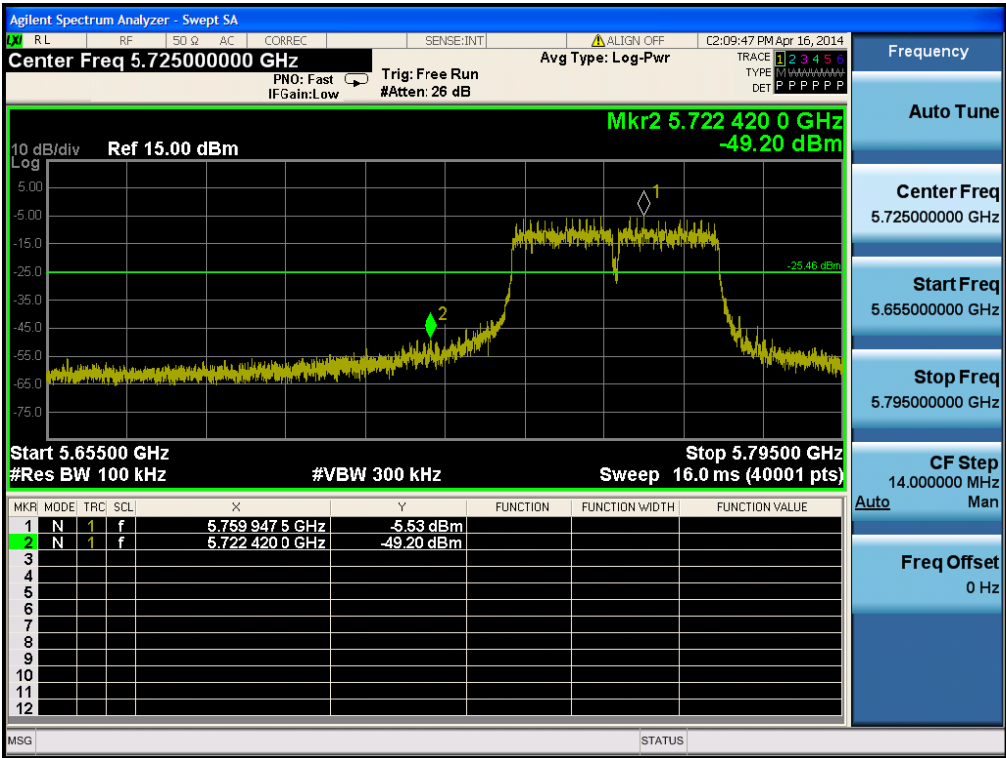


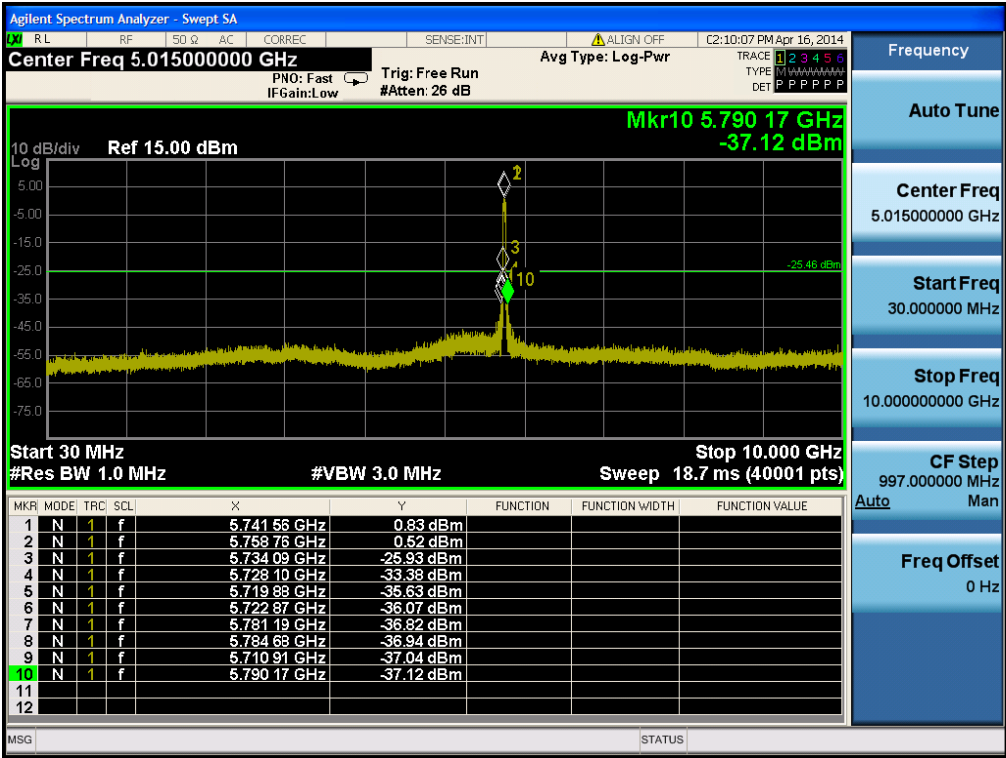
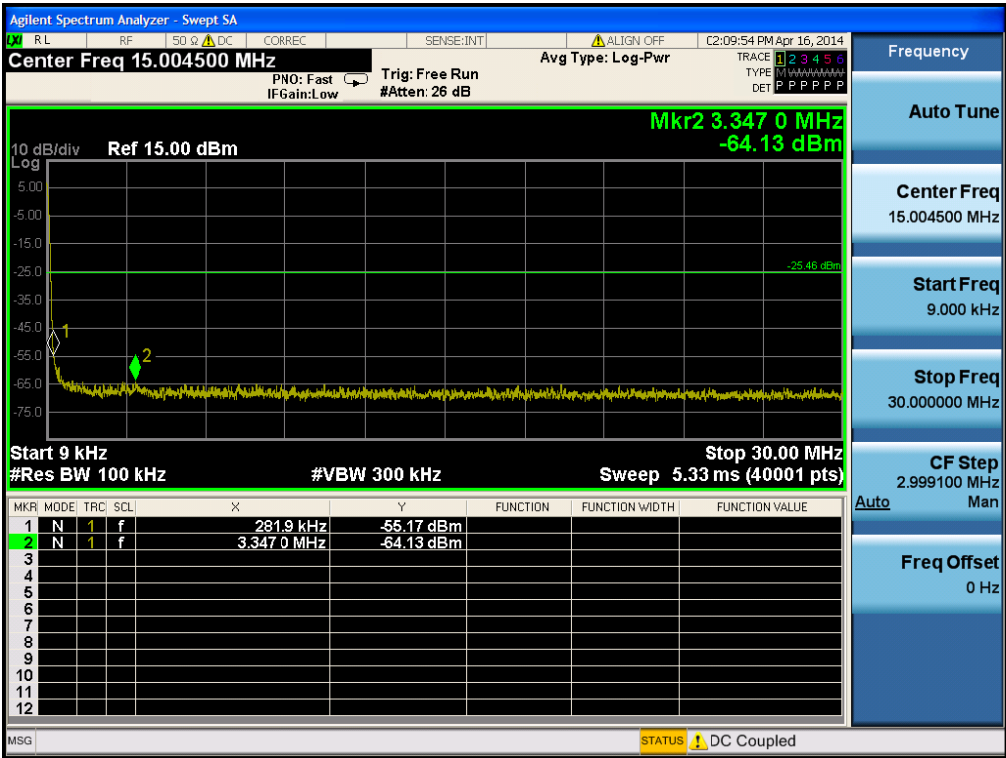
TM 7& ANT 1 &Lowest
Reference



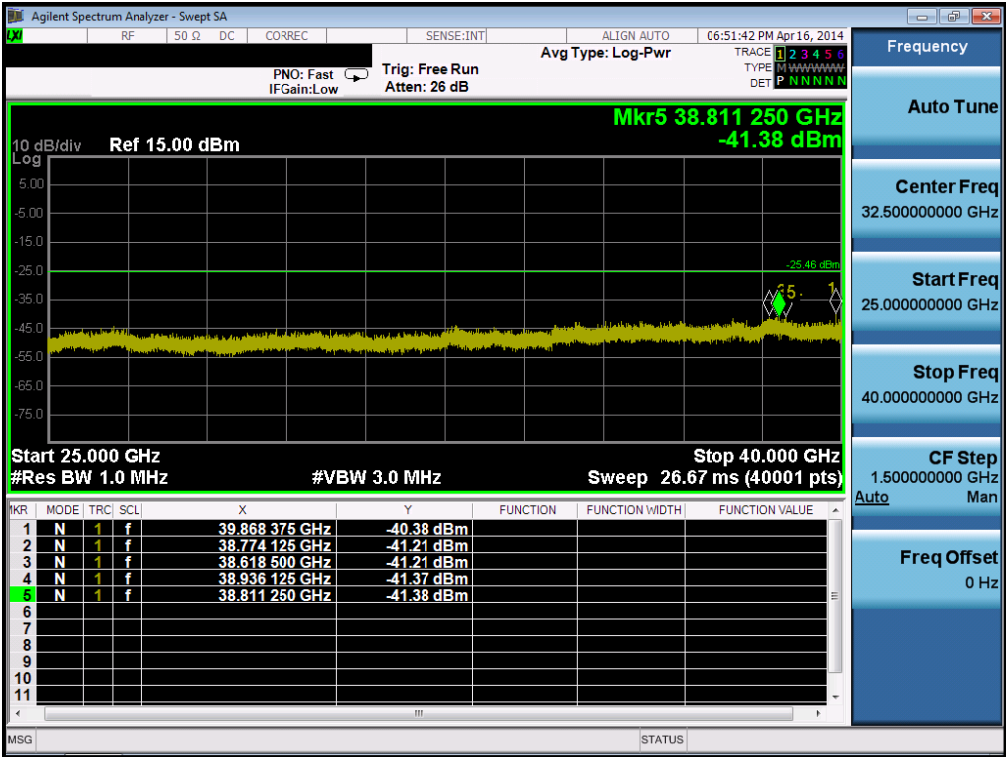
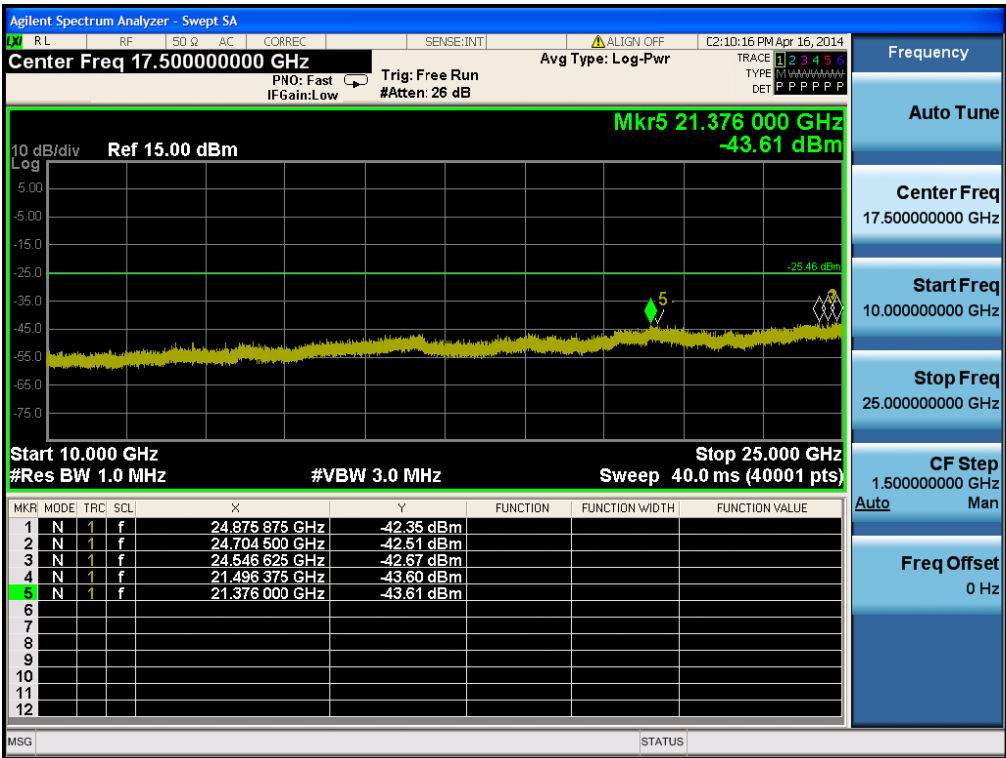
Low Band-edge



Conducted Spurious Emissions

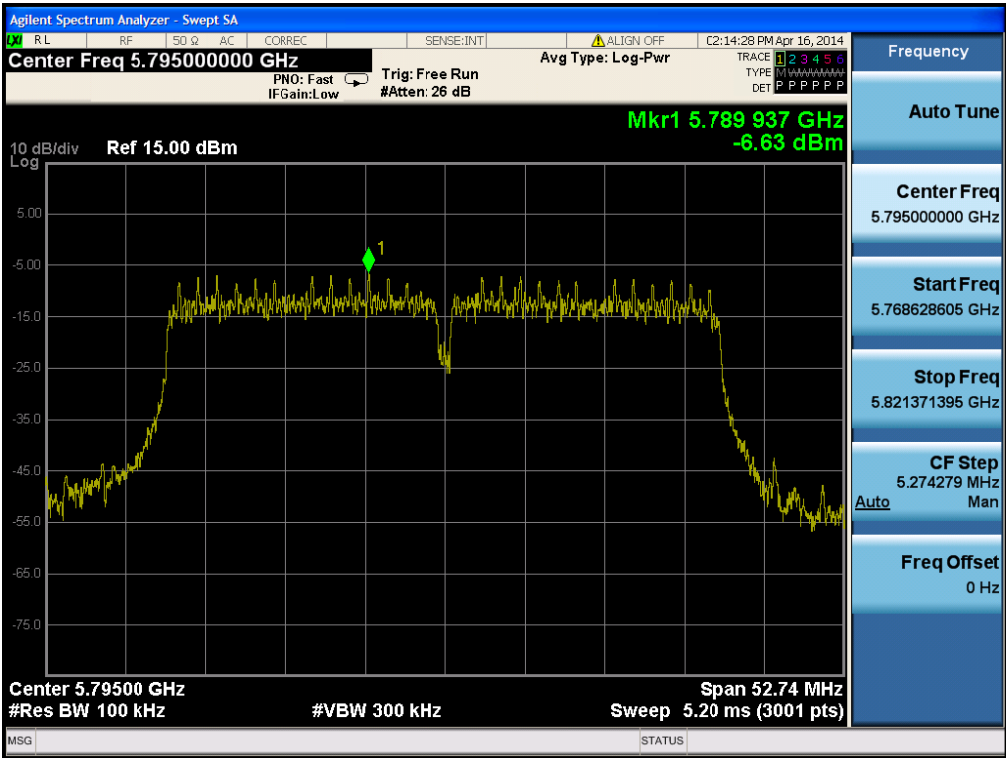


Conducted Spurious Emissions

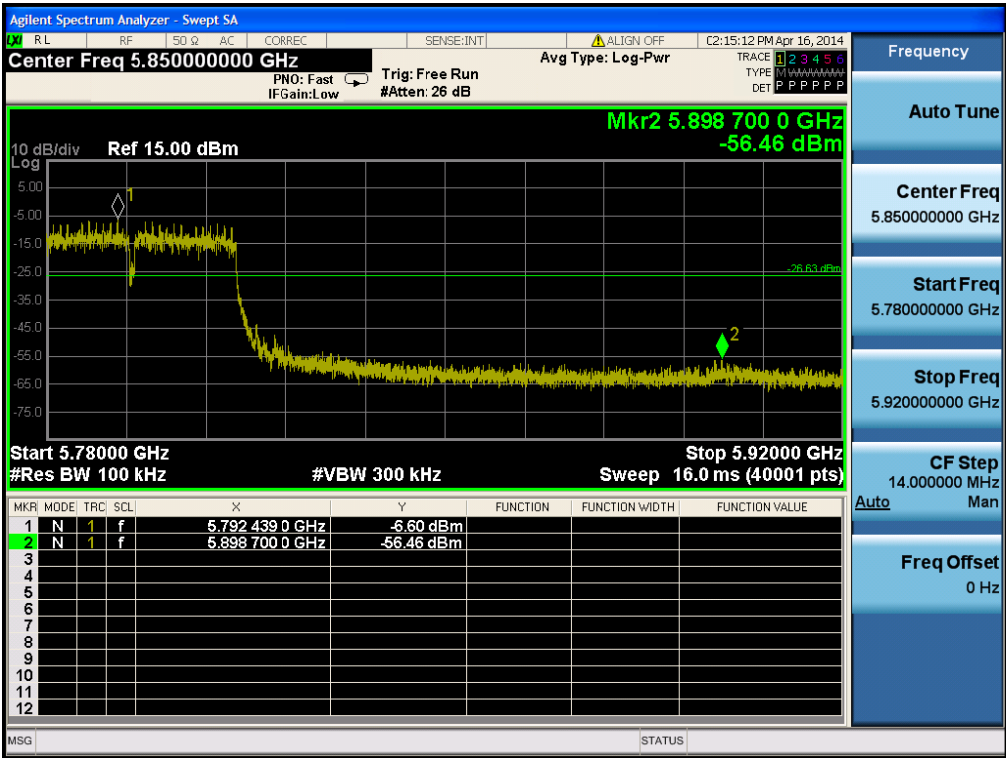


TM 7& ANT 1 &Highest

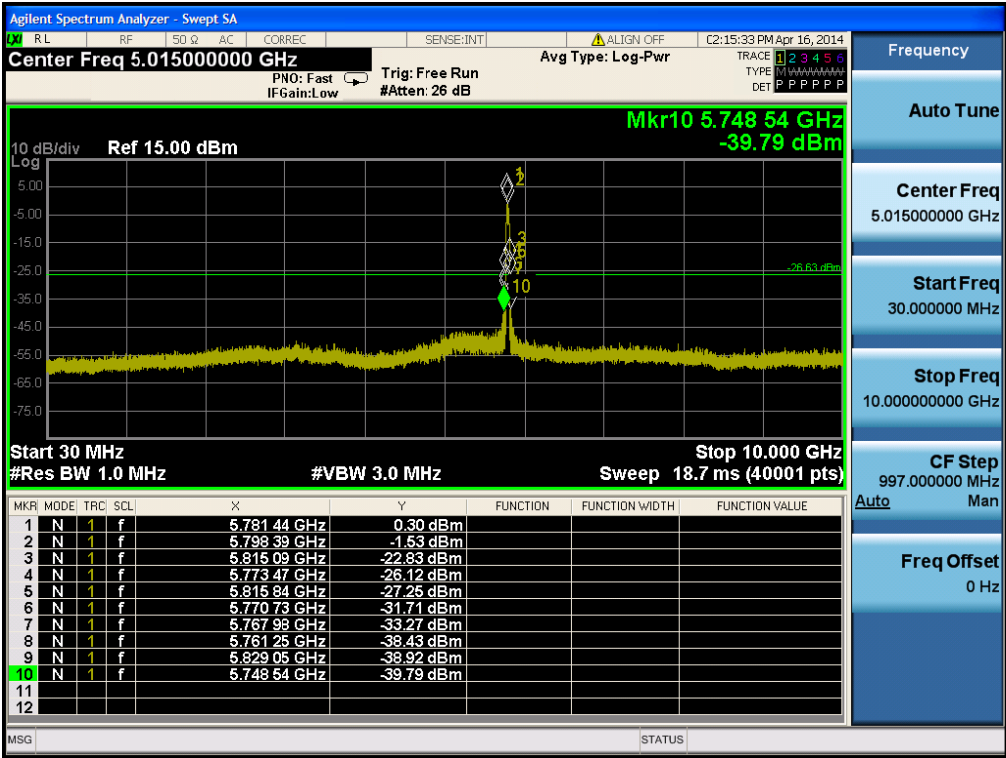
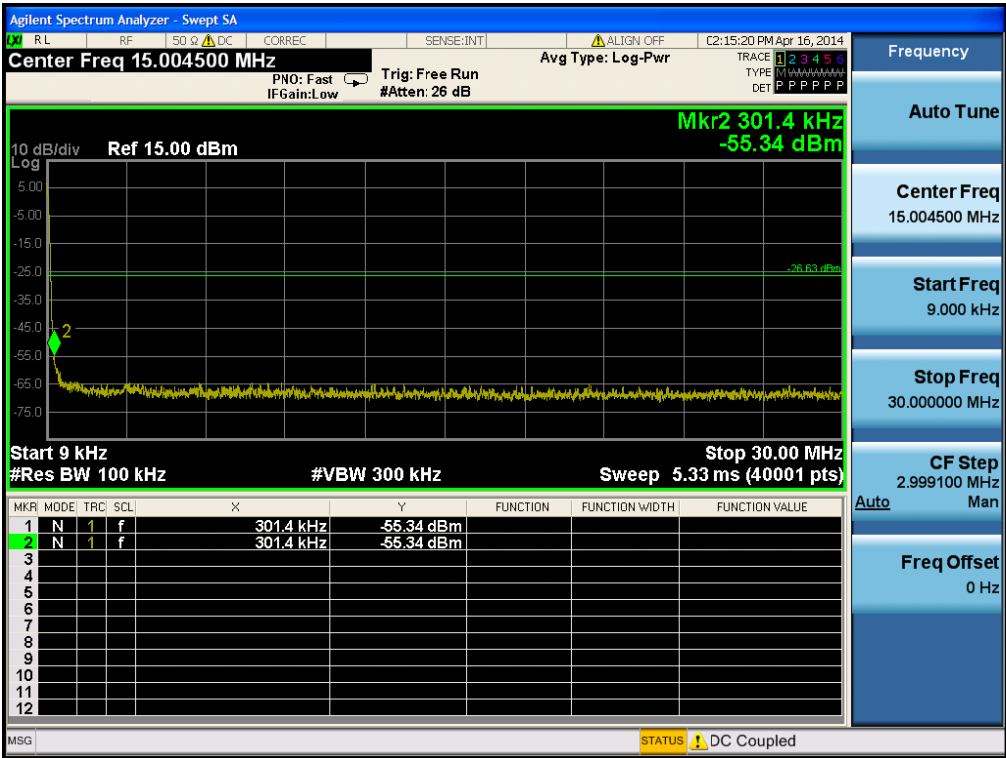
Reference



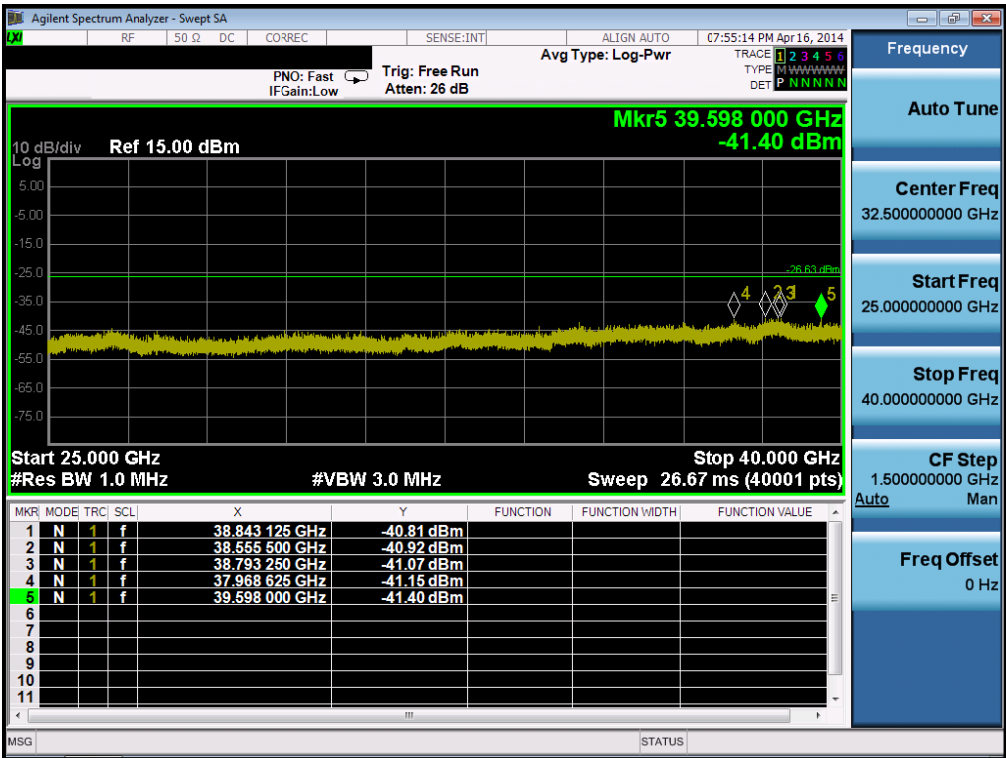
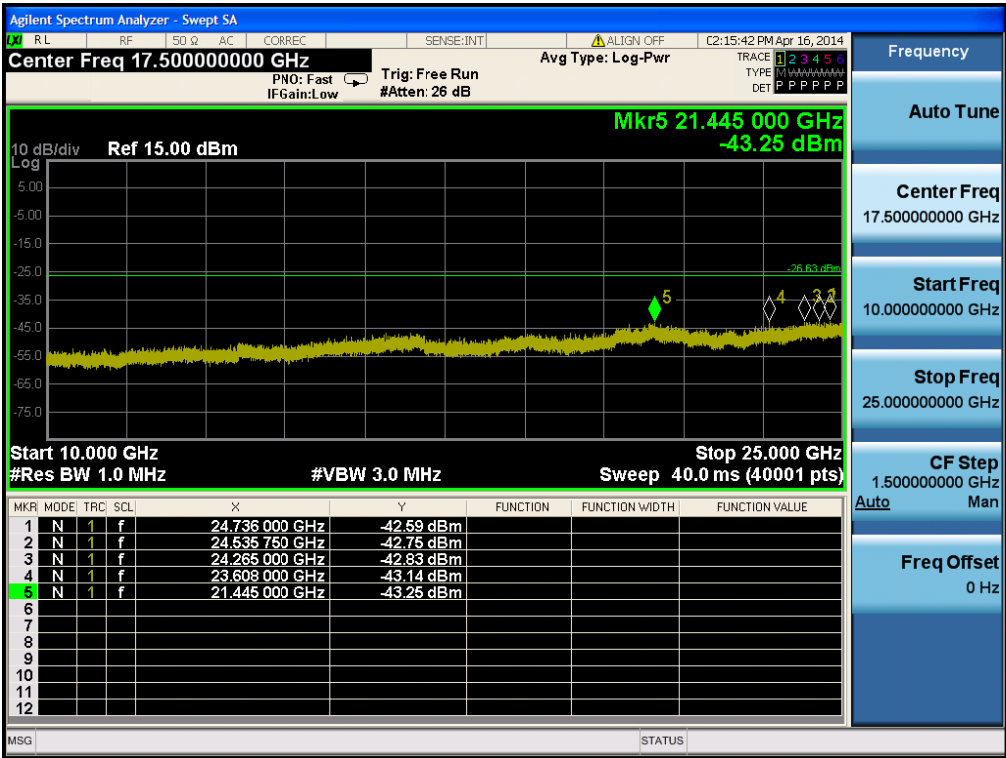
High Band-edge



Conducted Spurious Emissions

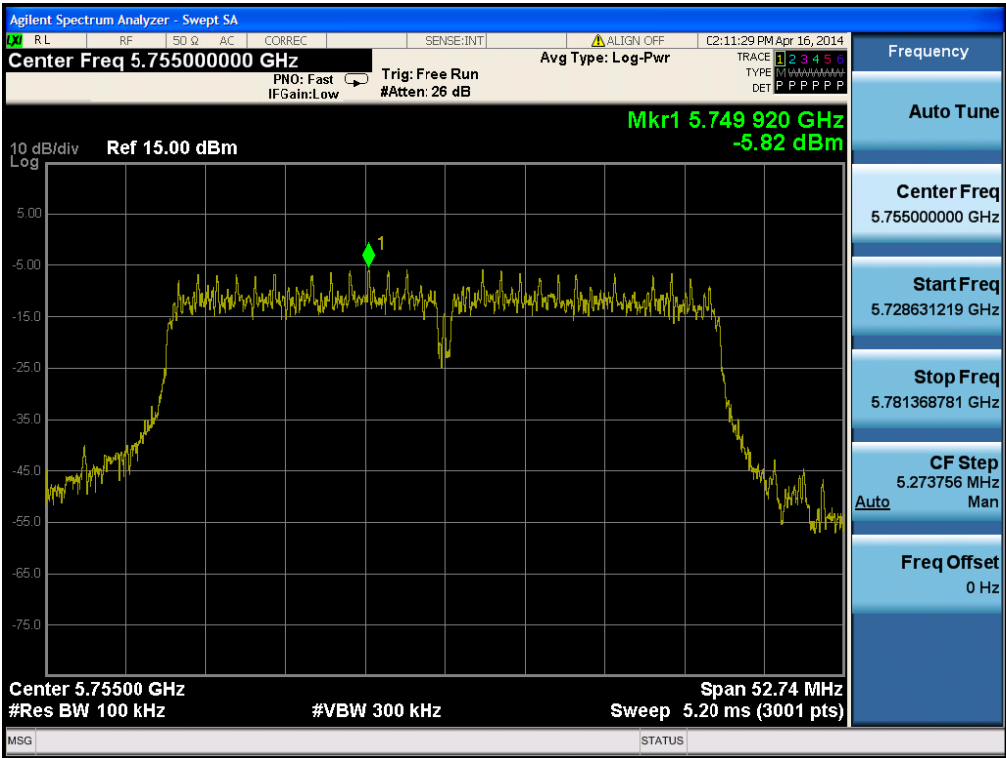


Conducted Spurious Emissions

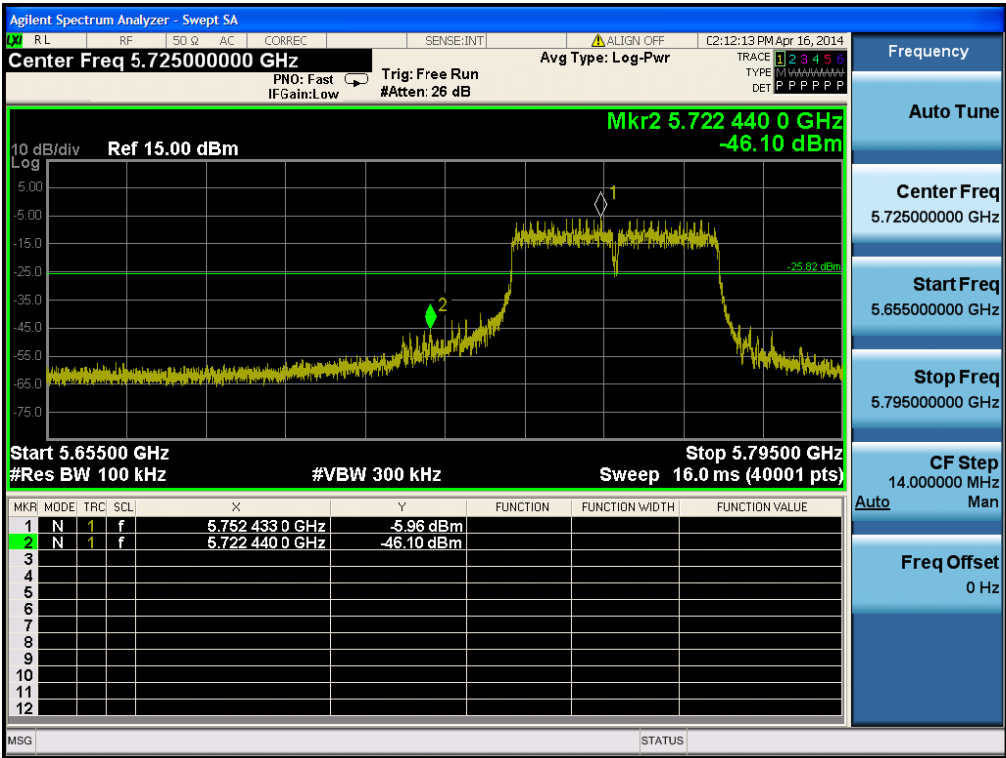


TM 7& ANT 2 &Lowest

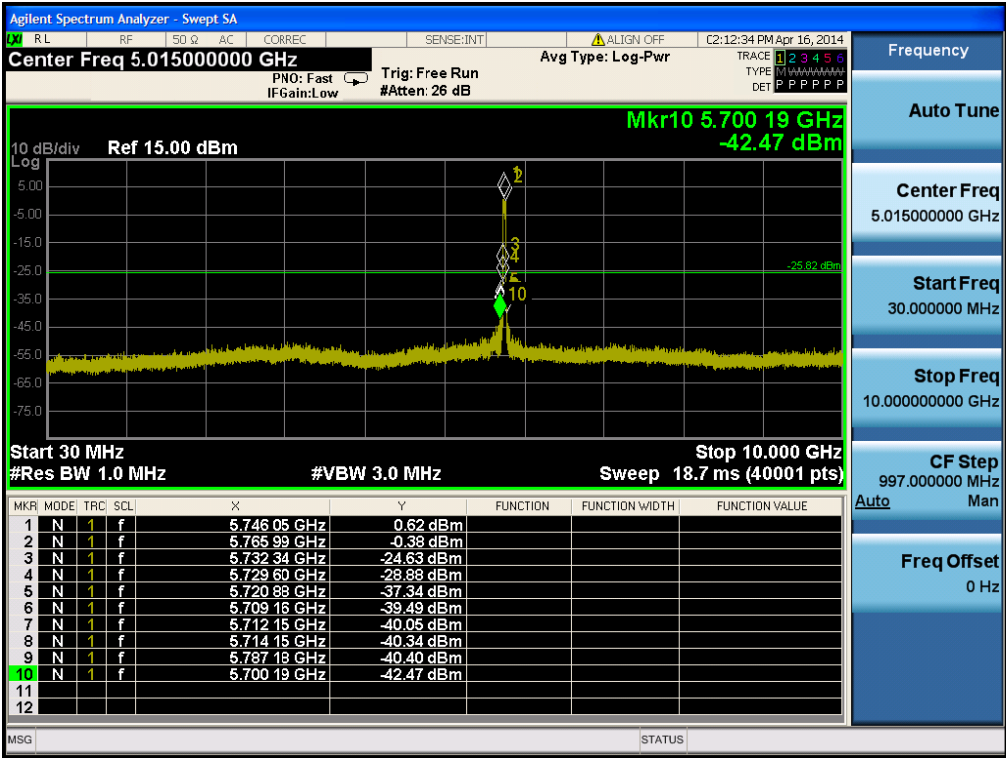
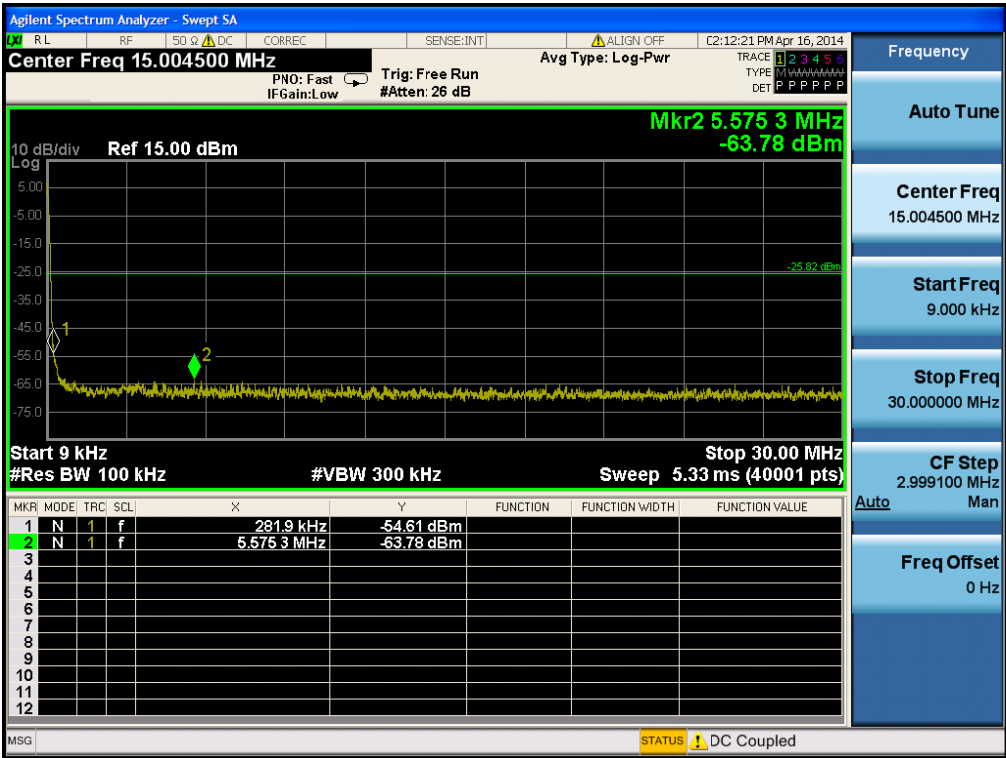
Reference



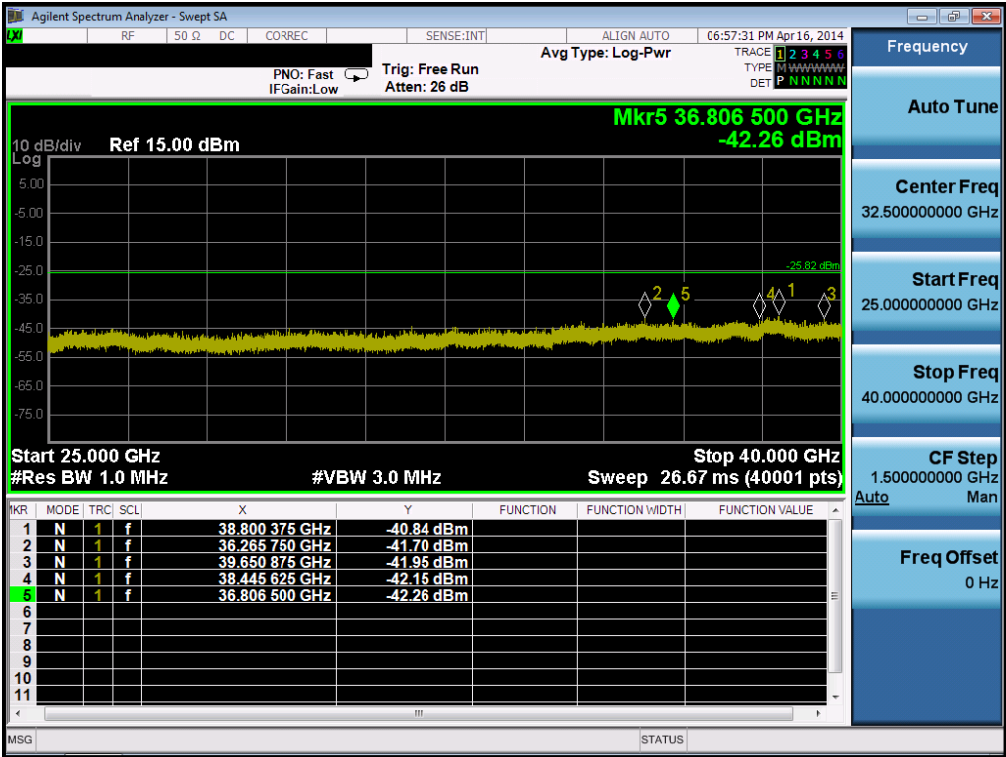
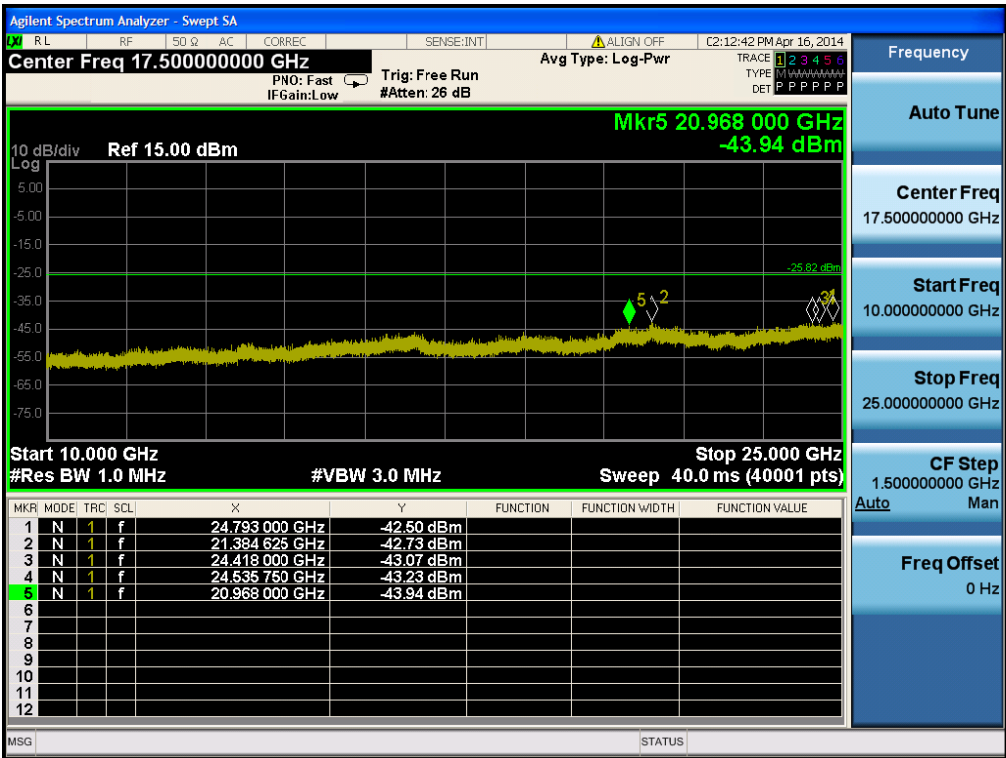
Low Band-edge



Conducted Spurious Emissions

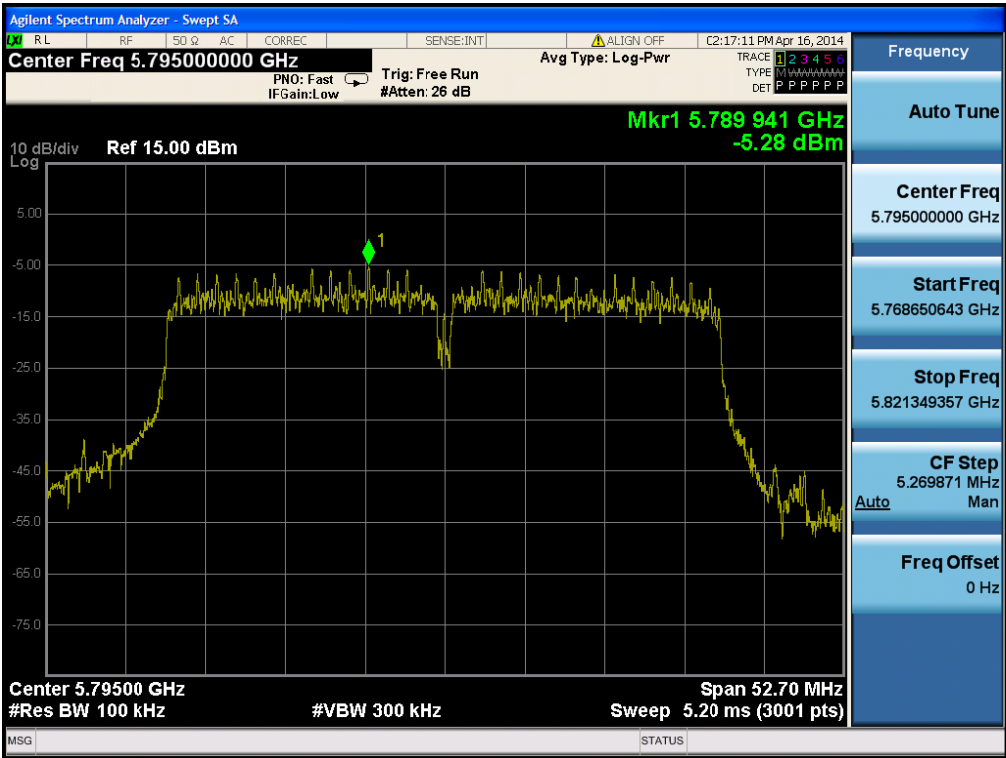


Conducted Spurious Emissions

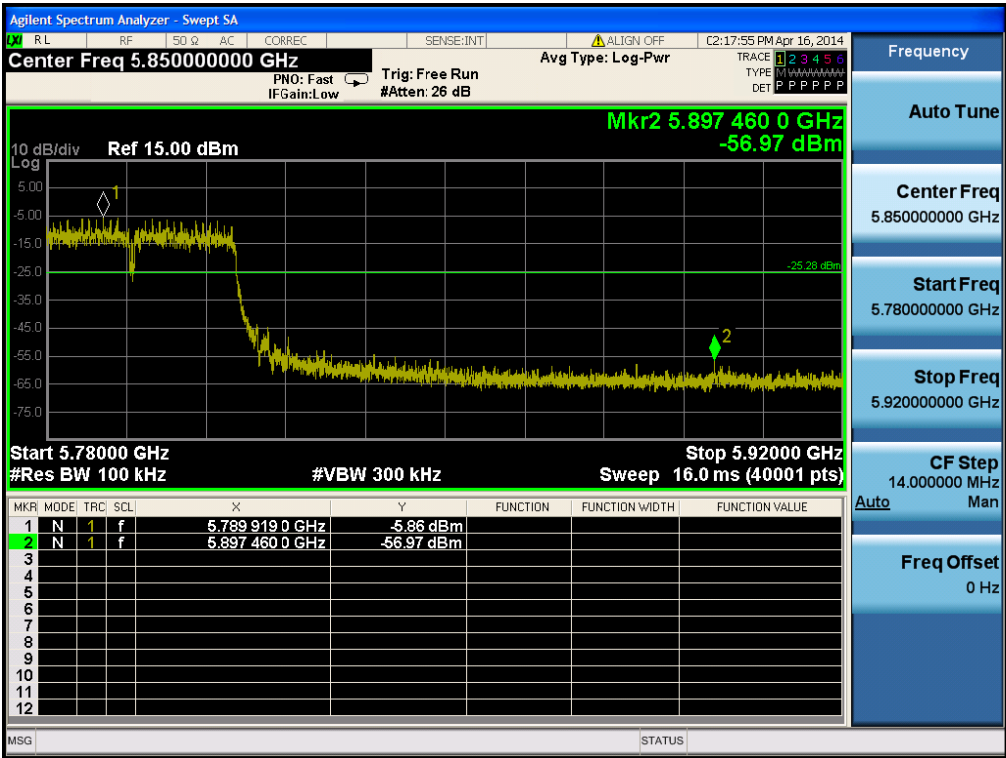


TM 7& ANT 2 &Highest

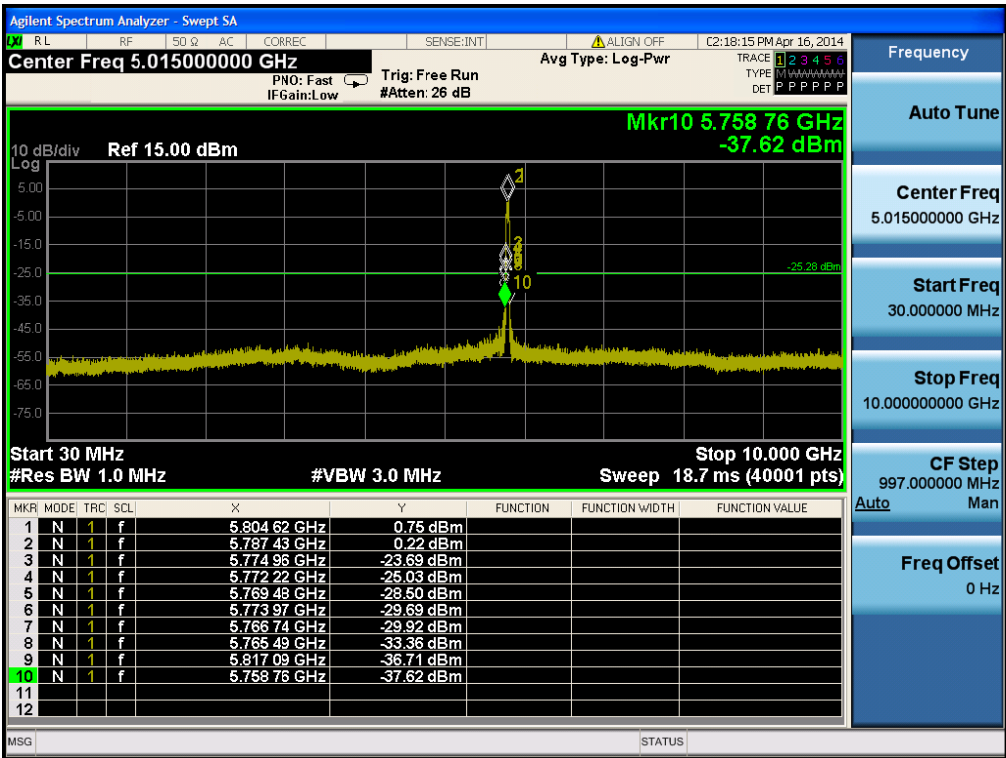
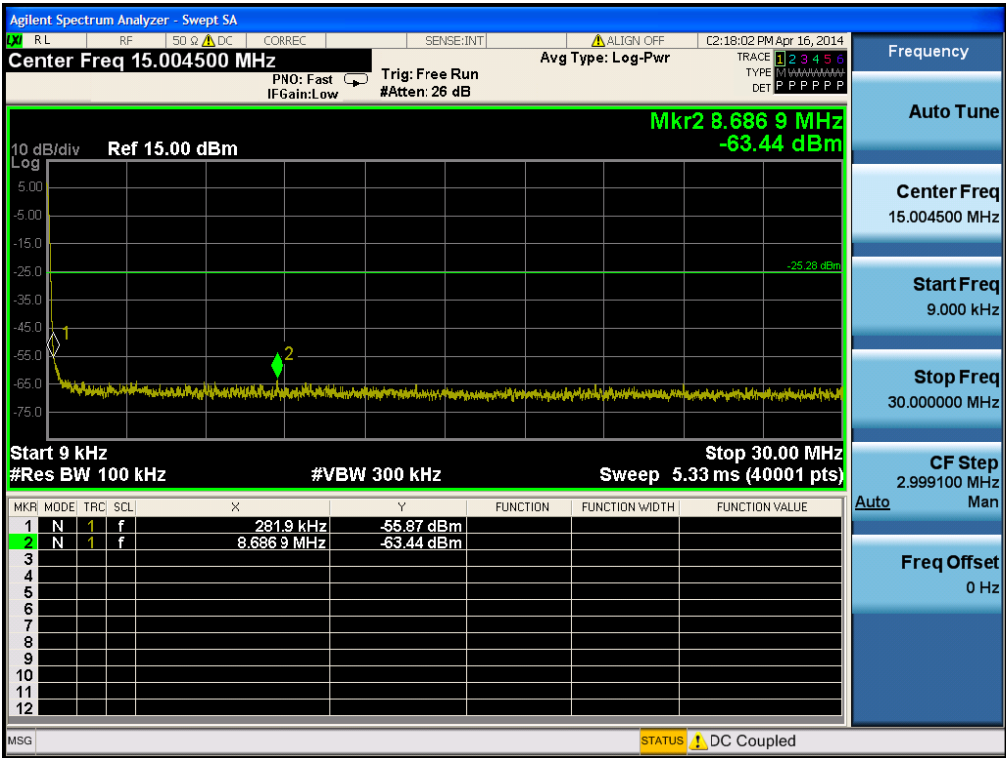
Reference



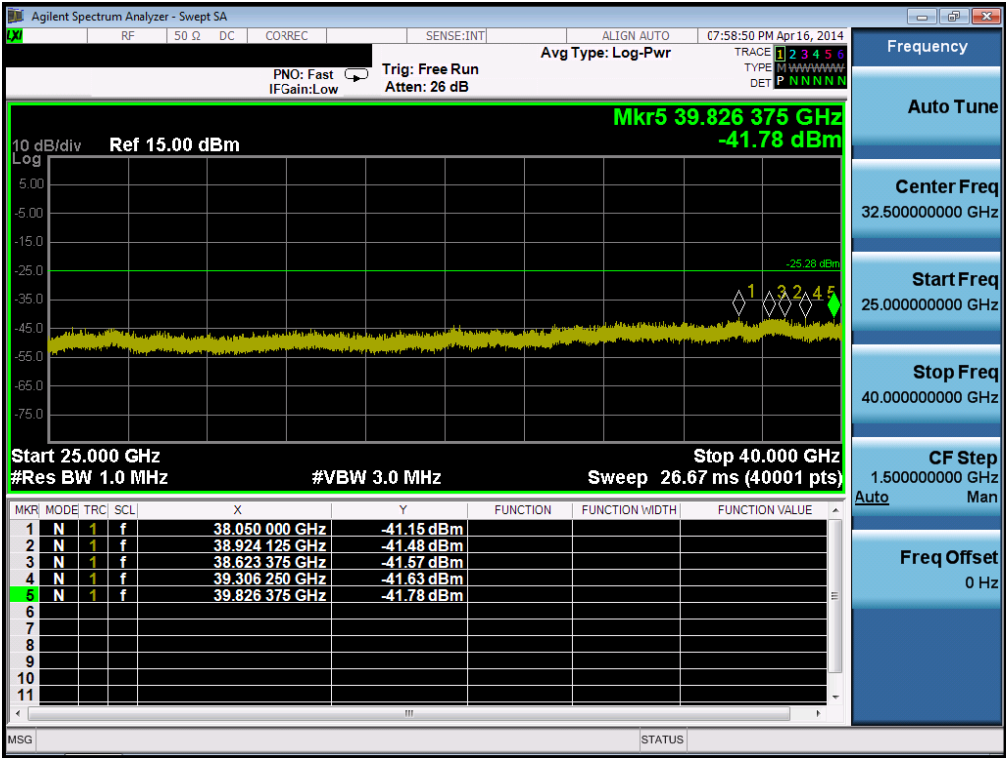
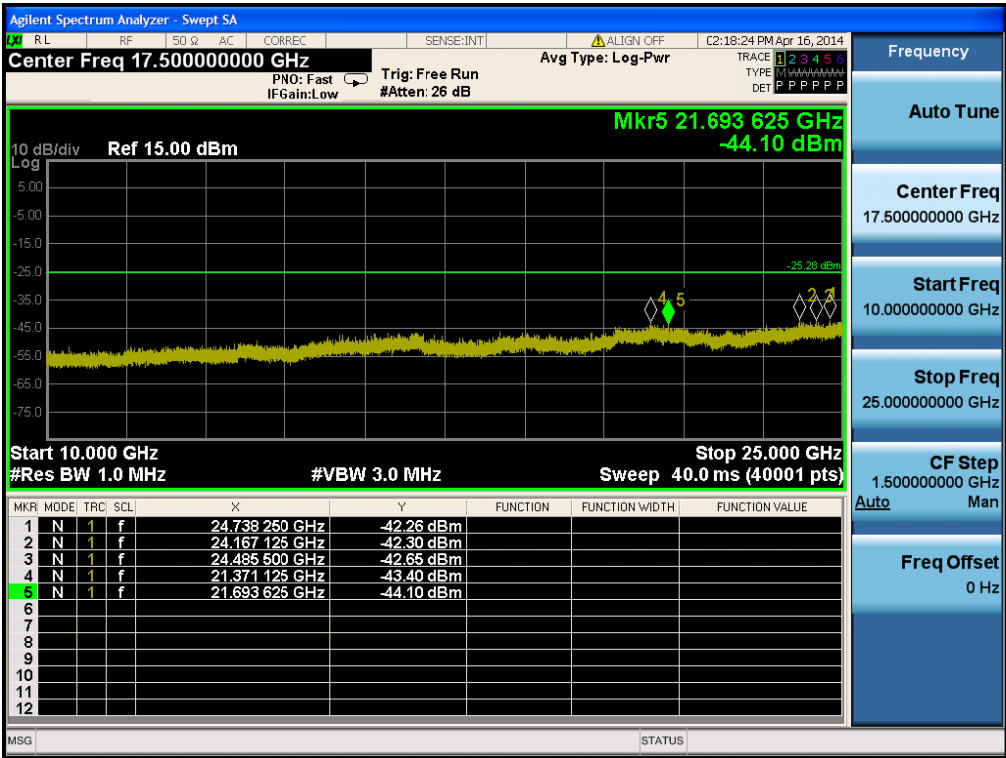
High Band-edge



Conducted Spurious Emissions



Conducted Spurious Emissions



8.5 Radiated spurious emissions

Test Requirements and limit, §15.247(d), §15.205, §15.209 & RSS-210[A8.5], RSS-Gen [7.2.2]

In any 100kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a) and (b), then the 15.209(a) limit in the table below has to be followed

• FCC Part 15.209(a) and (b)

Frequency (MHz)	Limit (uV/m)	Measurement Distance (meter)
0.009 – 0.490	2400/F(KHz)	300
0.490 – 1.705	24000/F(KHz)	30
1.705 – 30.0	30	30
30 ~ 88	100 **	3
88 ~ 216	150 **	3
216 ~ 960	200 **	3
Above 960	500	3

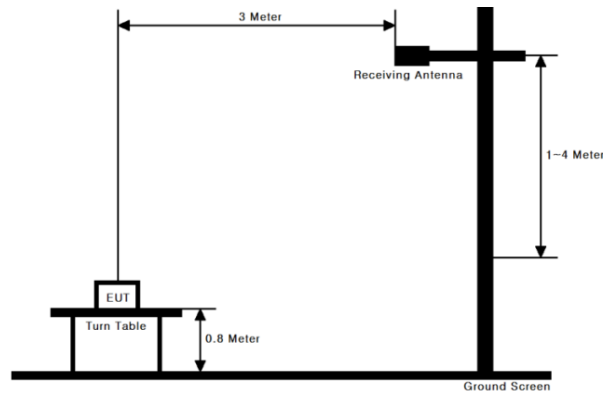
** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

• FCC Part 15.205 (a): Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.41425 ~ 8.41475	108 ~ 121.94	1300 ~ 1427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1435 ~ 1626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.51975 ~	149.9 ~ 150.05	1645.5 ~ 1646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.52025	156.52475 ~	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	12.57675 ~	156.52525	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	12.57725	156.7 ~ 156.9	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	13.36 ~ 13.41	162.0125 ~ 167.17	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.42 ~ 16.423	167.72 ~ 173.2	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	16.69475 ~	240 ~ 285	2655 ~ 2900		
8.291 ~ 8.294	16.69525	322 ~ 335.4	3260 ~ 3267		
8.362 ~ 8.366	16.80425 ~	399.90 ~ 410	3332 ~ 3339		
8.37625 ~ 8.38675	16.80475	608 ~ 614	3345.8 ~ 3358		
	25.5 ~ 25.67	960 ~ 1240	3600 ~ 4400		
	37.5 ~ 38.25				
	73 ~ 74.6				
	74.8 ~ 75.2				

• **FCC Part 15.205(b):** The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

Test Configuration



■ TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8 m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3 m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
(The
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

■ Measurement Instrument Setting for Radiated Emission Measurements.

Peak Measurement: 12.2.4 of KDB 558074 v03r1

RBW = As specified in below table , VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace mode = Max Hold until the trace stabilizes.

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

Average Measurement: 12.2.5.2 of KDB 558074 v03r1

1. RBW = 1MHz(unless otherwise specified)
2. VBW $\geq 3 \times$ RBW
3. Detector = RMS, if span / sweep points $\leq$ (RBW/2)
4. Averaging type = Power
5. Sweep time = auto
6. Trace average = At least 100 traces
7. A duty cycle correction factor($10\log(1/x)$, where x is the duty cycle) shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle.

Test Mode	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
TM 1	88.65	0.53
TM 2	45.96	3.38
TM 3	86.56	0.63
TM 4	76.03	1.20
TM 5	46.63	3.32
TM 6	45.23	3.45
TM 7	32.64	4.87

Note: Please refer to Appendix I for detailed information.

Radiated Spurious Emissions data(9kHz ~ 25GHz): Test Mode 1(TM 1)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	2389.60	H	Y	PK	55.37	-0.29	N/A	N/A	55.08	74.00	18.92
		2390.00	H	Y	AV	42.69	-0.28	0.53	N/A	42.94	54.00	11.06
		2389.44	V	Y	PK	54.87	-0.29	N/A	N/A	54.58	74.00	19.42
		2390.00	V	Y	AV	42.76	-0.28	0.53	N/A	43.01	54.00	10.99
		4824.04	H	Z	PK	47.39	6.61	N/A	-9.54	44.46	74.00	29.54
		4818.68	H	Z	AV	37.61	6.59	0.53	-9.54	35.19	54.00	18.81
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4874.36	H	Z	PK	46.13	6.73	N/A	-9.54	43.32	74.00	30.68
		4879.32	H	Z	AV	35.93	6.74	0.53	-9.54	33.66	54.00	20.34
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2489.67	V	Y	PK	59.53	0.05	N/A	N/A	59.58	74.00	14.42
		2483.61	V	Y	AV	46.56	-0.05	0.53	N/A	47.04	54.00	6.96
		4918.60	H	Z	PK	44.94	6.84	N/A	-9.54	42.24	74.00	31.76
		4918.52	H	Z	AV	34.70	6.84	0.53	-9.54	32.53	54.00	21.47
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	2389.60	V	Y	PK	57.07	-0.29	N/A	N/A	56.78	74.00	17.22
		2390.00	V	Y	AV	45.67	-0.28	0.53	N/A	45.92	54.00	8.08
		4818.92	H	Z	PK	45.72	6.59	N/A	-9.54	42.77	74.00	31.23
		4818.52	H	Z	AV	35.66	6.59	0.53	-9.54	33.24	54.00	20.76
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4873.84	V	Y	PK	45.81	6.73	N/A	-9.54	43.00	74.00	31.00
		4868.48	V	Y	AV	35.81	6.71	0.53	-9.54	33.51	54.00	20.49
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2496.22	H	X	PK	57.07	0.17	N/A	N/A	57.24	74.00	16.76
		2483.71	H	X	AV	41.77	-0.05	0.53	N/A	42.25	54.00	11.75
		2495.03	V	Y	PK	55.77	0.16	N/A	N/A	55.93	74.00	18.07
		2483.50	V	Y	AV	42.72	-0.05	0.53	N/A	43.20	54.00	10.80
		4924.04	V	Y	PK	46.60	6.85	N/A	-9.54	43.91	74.00	30.09
		4929.48	V	Y	AV	35.18	6.86	0.53	-9.54	33.03	54.00	20.97
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
Margin = Limit – Result / Result = Reading + T.F+ DCCF + DCF / T.F = AF + CL – AG
Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
Therefore Distance Correction Factor(DCF) :- 9.54 dB = 20*log(1m/3m)

Radiated Spurious Emissions data(9kHz ~ 25GHz): Test Mode 2(TM 2)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	2389.52	V	Y	PK	54.57	-0.29	N/A	N/A	54.28	74.00	19.72
		2359.60	V	Y	AV	40.44	-0.48	3.38	N/A	43.34	54.00	10.66
		4824.04	H	Z	PK	46.24	6.61	N/A	-9.54	43.31	74.00	30.69
		4823.04	H	Z	AV	33.48	6.60	3.38	-9.54	33.92	54.00	20.08
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4876.64	H	Z	PK	45.23	6.73	N/A	-9.54	42.42	74.00	31.58
		4873.80	H	Z	AV	33.02	6.73	3.38	-9.54	33.59	54.00	20.41
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2483.74	V	Y	PK	56.89	-0.05	N/A	N/A	56.84	74.00	17.16
		2483.69	V	Y	AV	39.50	-0.05	3.38	N/A	42.83	54.00	11.17
		4912.76	H	Z	PK	44.15	6.82	N/A	-9.54	41.43	74.00	32.57
		4913.80	H	Z	AV	32.80	6.82	3.38	-9.54	33.46	54.00	20.54
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	2359.36	H	Y	PK	53.64	-0.48	N/A	N/A	53.16	74.00	20.84
		2359.52	H	Y	AV	41.55	-0.48	3.38	N/A	44.45	54.00	9.55
		4822.00	H	Z	PK	46.30	6.60	N/A	-9.54	43.36	74.00	30.64
		4823.96	H	Z	AV	33.11	6.60	3.38	-9.54	33.55	54.00	20.45
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4868.52	H	Z	PK	45.13	6.71	N/A	-9.54	42.30	74.00	31.70
		4875.92	H	Z	AV	33.40	6.73	3.38	-9.54	33.97	54.00	20.03
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2483.56	H	X	PK	57.64	-0.05	N/A	N/A	57.59	74.00	16.41
		2483.78	H	X	AV	39.46	-0.05	3.38	N/A	42.79	54.00	11.21
		4920.60	H	Z	PK	44.81	6.84	N/A	-9.54	42.11	74.00	31.89
		4914.44	H	Z	AV	32.92	6.83	3.38	-9.54	33.59	54.00	20.41
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
Margin = Limit – Result / Result = Reading + T.F+ DCCF + DCF / T.F = AF + CL – AG
Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
Therefore Distance Correction Factor(DCF) :- 9.54 dB = 20*log(1m/3m)

Radiated Spurious Emissions data(9kHz ~ 25GHz): Test Mode 3(TM 3)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	2386.48	V	Y	PK	53.30	-0.31	N/A	N/A	52.99	74.00	21.01
		2359.92	V	Y	AV	43.39	-0.48	0.63	N/A	43.54	54.00	10.46
		4823.80	H	Z	PK	44.91	5.56	N/A	-9.54	40.93	74.00	33.07
		4827.64	H	Z	AV	33.43	5.21	0.63	-9.54	29.73	54.00	24.27
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4877.92	H	Z	PK	44.74	5.39	N/A	-9.54	40.59	74.00	33.41
		4873.84	H	Z	AV	32.88	5.38	0.63	-9.54	29.35	54.00	24.65
		4877.12	V	Z	PK	44.32	5.39	N/A	-9.54	40.17	74.00	33.83
		4869.68	V	Z	AV	33.03	5.36	0.63	-9.54	29.48	54.00	24.52
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2483.94	H	Y	PK	60.55	-0.05	N/A	N/A	60.50	74.00	13.50
		2483.61	H	Y	AV	45.08	-0.05	0.63	N/A	45.66	54.00	8.34
		4913.08	H	Z	PK	44.50	5.53	N/A	-9.54	40.49	74.00	33.51
		4911.08	H	Z	AV	32.92	5.52	0.63	-9.54	29.53	54.00	24.47
		4920.72	V	Z	PK	44.67	5.55	N/A	-9.54	40.68	74.00	33.32
		4917.28	V	Z	AV	32.80	5.54	0.63	-9.54	29.43	54.00	24.57
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	2360.08	H	X	PK	53.43	-0.48	N/A	N/A	52.95	74.00	21.05
		2360.16	H	X	AV	44.43	-0.48	0.63	N/A	44.58	54.00	9.42
		2359.52	H	Y	PK	53.95	-0.48	N/A	N/A	53.47	74.00	20.53
		2359.92	H	Y	AV	44.14	-0.48	0.63	N/A	44.29	54.00	9.71
		4824.72	H	Z	PK	45.45	5.20	N/A	-9.54	41.11	74.00	32.89
		4823.24	H	Z	AV	33.32	5.19	0.63	-9.54	29.60	54.00	24.40
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4871.96	H	Z	PK	44.71	5.37	N/A	-9.54	40.54	74.00	33.46
		4873.60	H	Z	AV	33.35	5.38	0.63	-9.54	29.82	54.00	24.18
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2484.12	V	Y	PK	56.56	-0.04	N/A	N/A	56.52	74.00	17.48
		2483.53	V	Y	AV	42.13	-0.05	0.63	N/A	42.71	54.00	11.29
		4924.84	V	Y	PK	45.12	5.57	N/A	-9.54	41.15	74.00	32.85
		4922.28	V	Y	AV	33.06	5.56	0.63	-9.54	29.71	54.00	24.29
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
 $\text{Margin} = \text{Limit} - \text{Result}$ / $\text{Result} = \text{Reading} + \text{T.F} + \text{DCCF} + \text{DCF}$ / $\text{T.F} = \text{AF} + \text{CL} - \text{AG}$
 Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
 DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
 Therefore Distance Correction Factor(DCF) :- $9.54 \text{ dB} = 20 \cdot \log(1\text{m}/3\text{m})$

Radiated Spurious Emissions data(9kHz ~ 25GHz): Test Mode 4(TM 4)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	2389.52	H	Y	PK	62.81	-0.29	N/A	N/A	62.52	74.00	11.48
		2389.60	H	Y	AV	43.72	-0.29	1.20	N/A	44.63	54.00	9.37
		2389.92	V	Y	PK	61.47	-0.29	N/A	N/A	61.18	74.00	12.82
		2389.84	V	Y	AV	47.49	-0.29	1.20	N/A	48.40	54.00	5.60
		4827.92	V	Z	PK	45.09	5.21	N/A	-9.54	40.76	74.00	33.24
		4808.08	V	Z	AV	33.21	5.14	1.20	-9.54	30.01	54.00	23.99
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4877.52	V	Z	PK	44.38	5.39	N/A	-9.54	40.23	74.00	33.77
		4877.04	V	Z	AV	32.82	5.39	1.20	-9.54	29.87	54.00	24.13
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2487.49	V	Y	PK	64.54	0.01	N/A	N/A	64.55	74.00	9.45
		2483.79	V	Y	AV	49.57	-0.05	1.20	N/A	50.72	54.00	3.28
		4911.52	H	Z	PK	44.14	5.52	N/A	-9.54	40.12	74.00	33.88
		4895.68	H	Z	AV	32.58	5.46	1.20	-9.54	29.70	54.00	24.30
		4882.56	V	Z	PK	44.74	5.41	N/A	-9.54	40.61	74.00	33.39
		4895.52	V	Z	AV	32.53	5.46	1.20	-9.54	29.65	54.00	24.35
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	2389.36	V	Y	PK	62.61	-0.29	N/A	N/A	62.32	74.00	11.68
		2389.44	V	Y	AV	43.87	-0.29	1.20	N/A	44.78	54.00	9.22
		4832.96	H	Z	PK	44.40	5.23	N/A	-9.54	40.09	74.00	33.91
		4807.04	H	Z	AV	33.27	5.14	1.20	-9.54	30.07	54.00	23.93
		4811.68	V	Z	PK	45.09	5.15	N/A	-9.54	40.70	74.00	33.30
		4806.16	V	Z	AV	33.19	5.13	1.20	-9.54	29.98	54.00	24.02
		-	-	-	-	-	-	-	-	-	-	-
	Middle	4894.80	V	Y	PK	44.46	5.46	N/A	-9.54	40.38	74.00	33.62
		4880.48	V	Y	AV	32.78	5.40	1.20	-9.54	29.84	54.00	24.16
		-	-	-	-	-	-	-	-	-	-	-
	Highest	2484.27	V	Y	PK	62.58	-0.04	N/A	N/A	62.54	74.00	11.46
		2483.61	V	Y	AV	46.98	-0.05	1.20	N/A	48.13	54.00	5.87
		4904.16	V	Y	PK	44.59	5.49	N/A	-9.54	40.54	74.00	33.46
		4884.48	V	Y	AV	32.78	5.42	1.20	-9.54	29.86	54.00	24.14
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
Margin = Limit – Result / Result = Reading + T.F+ DCCF + DCF / T.F = AF + CL – AG
Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
Therefore Distance Correction Factor(DCF) :- 9.54 dB = 20*log(1m/3m)

Radiated Spurious Emissions data(9kHz ~ 25GHz): Test Mode 5(TM 5)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	11490.92	V	Z	PK	46.66	12.88	N/A	-9.54	50.00	74.00	24.00
		11491.48	V	Z	AV	33.67	12.88	3.32	-9.54	40.33	54.00	13.67
		-	-	-	-	-	-	-	-	-	-	-
	Middle	11571.04	H	Y	PK	47.41	13.00	N/A	-9.54	50.87	74.00	23.13
		11568.60	H	Y	AV	33.10	13.00	3.32	-9.54	39.88	54.00	14.12
		11563.96	V	Z	PK	46.40	12.99	N/A	-9.54	49.85	74.00	24.15
		11569.20	V	Z	AV	33.36	13.00	3.32	-9.54	40.14	54.00	13.86
		-	-	-	-	-	-	-	-	-	-	-
	Highest	11647.72	V	Z	PK	47.23	13.14	N/A	-9.54	50.83	74.00	23.17
		11648.88	V	Z	AV	33.78	13.14	3.32	-9.54	40.70	54.00	13.30
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	11492.48	H	Y	PK	48.63	12.88	N/A	-9.54	51.97	74.00	22.03
		11491.28	H	Y	AV	35.03	12.88	3.32	-9.54	41.69	54.00	12.31
		-	-	-	-	-	-	-	-	-	-	-
	Middle	11571.04	H	Y	PK	50.66	13.00	N/A	-9.54	54.12	74.00	19.88
		11571.12	H	Y	AV	36.40	13.00	3.32	-9.54	43.18	54.00	10.82
		-	-	-	-	-	-	-	-	-	-	-
	Highest	11652.28	H	Y	PK	49.48	13.14	N/A	-9.54	53.08	74.00	20.92
		11651.56	H	Y	AV	36.02	13.14	3.32	-9.54	42.94	54.00	11.06
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
 $\text{Margin} = \text{Limit} - \text{Result}$ / $\text{Result} = \text{Reading} + \text{T.F} + \text{DCCF} + \text{DCF}$ / $\text{T.F} = \text{AF} + \text{CL} - \text{AG}$
 Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
 DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
 Therefore Distance Correction Factor(DCF) :- $9.54 \text{ dB} = 20 \cdot \log(1\text{m}/3\text{m})$

Radiated Spurious Emissions data (9kHz ~ 25GHz): Test Mode 6(TM 6)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	11487.28	V	Z	PK	45.60	12.87	N/A	-9.54	48.93	74.00	25.07
		11490.96	V	Z	AV	33.40	12.88	3.45	-9.54	40.19	54.00	13.81
		-	-	-	-	-	-	-	-	-	-	-
	Middle	11566.36	H	Y	PK	46.50	12.99	N/A	-9.54	49.95	74.00	24.05
		11571.08	H	Y	AV	33.85	13.00	3.45	-9.54	40.76	54.00	13.24
		11565.60	V	Z	PK	47.37	12.99	N/A	-9.54	50.82	74.00	23.18
		11571.44	V	Z	AV	33.79	13.00	3.45	-9.54	40.70	54.00	13.30
		-	-	-	-	-	-	-	-	-	-	-
	Highest	11645.92	H	Y	PK	46.69	13.13	N/A	-9.54	50.28	74.00	23.72
		11648.64	H	Y	AV	32.97	13.14	3.45	-9.54	40.02	54.00	13.98
		11646.04	V	Z	PK	46.91	13.13	N/A	-9.54	50.50	74.00	23.50
		11648.80	V	Z	AV	32.85	13.14	3.45	-9.54	39.90	54.00	14.10
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	11485.76	H	Y	PK	45.56	12.87	N/A	-9.54	48.89	74.00	25.11
		11491.12	H	Y	AV	32.57	12.88	3.45	-9.54	39.36	54.00	14.64
		-	-	-	-	-	-	-	-	-	-	-
	Middle	11572.20	H	Y	PK	48.86	13.00	N/A	-9.54	52.32	74.00	21.68
		11571.04	H	Y	AV	35.70	13.00	3.45	-9.54	42.61	54.00	11.39
		-	-	-	-	-	-	-	-	-	-	-
	Highest	11651.04	H	Y	PK	48.69	13.14	N/A	-9.54	52.29	74.00	21.71
		11651.08	H	Y	AV	34.89	13.14	3.45	-9.54	41.94	54.00	12.06
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
 $\text{Margin} = \text{Limit} - \text{Result}$ / $\text{Result} = \text{Reading} + \text{T.F} + \text{DCCF} + \text{DCF}$ / $\text{T.F} = \text{AF} + \text{CL} - \text{AG}$
 Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
 DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
 Therefore Distance Correction Factor(DCF) :- $9.54 \text{ dB} = 20 \cdot \log(1\text{m}/3\text{m})$

Radiated Spurious Emissions data(9kHz ~ 25GHz): Test Mode 7(TM 7)

Tested ANT	Tested Frequency	Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	DCCF (dB)	DCF (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
ANT 1	Lowest	11527.20	V	Z	PK	44.41	12.93	N/A	-9.54	47.80	74.00	26.20
		11511.36	V	Z	AV	32.47	12.90	4.87	-9.54	40.70	54.00	13.30
		-	-	-	-	-	-	-	-	-	-	-
	Highest	11586.64	V	Z	PK	44.81	13.03	N/A	-9.54	48.30	74.00	25.70
		11588.64	V	Z	AV	32.32	13.03	4.87	-9.54	40.68	54.00	13.32
		-	-	-	-	-	-	-	-	-	-	-
ANT 2	Lowest	11508.64	H	Y	PK	46.37	12.89	N/A	-9.54	49.72	74.00	24.28
		11508.80	H	Y	AV	33.25	12.89	4.87	-9.54	41.47	54.00	12.53
		-	-	-	-	-	-	-	-	-	-	-
	Highest	11588.72	H	Y	PK	47.15	13.03	N/A	-9.54	50.64	74.00	23.36
		11588.72	H	Y	AV	33.59	13.03	4.87	-9.54	41.95	54.00	12.05
		-	-	-	-	-	-	-	-	-	-	-

Note.

1. No other spurious and harmonic emissions were found greater than listed emissions on above table.
2. Sample Calculation.
 $\text{Margin} = \text{Limit} - \text{Result}$ / $\text{Result} = \text{Reading} + \text{T.F} + \text{DCCF} + \text{DCF}$ / $\text{T.F} = \text{AF} + \text{CL} - \text{AG}$
 Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain,
 DCCF = Duty Cycle Correction Factor, DCF = Distance Correction Factor
3. Measurement Distance = 3 m for below 10 GHz, Measurement Distance = 1 m for above 10 GHz.
 Therefore Distance Correction Factor(DCF) :- $9.54 \text{ dB} = 20 \cdot \log(1\text{m}/3\text{m})$

8.6 Power-line conducted emissions

Test Requirements and limit, §15.207& RSS-Gen [7.2.2]

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

■ TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to the test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

■ Test Results: **Comply**(Refer to next page.)

The worst data was reported in each bands(2.4GHz and 5.8GHz band).

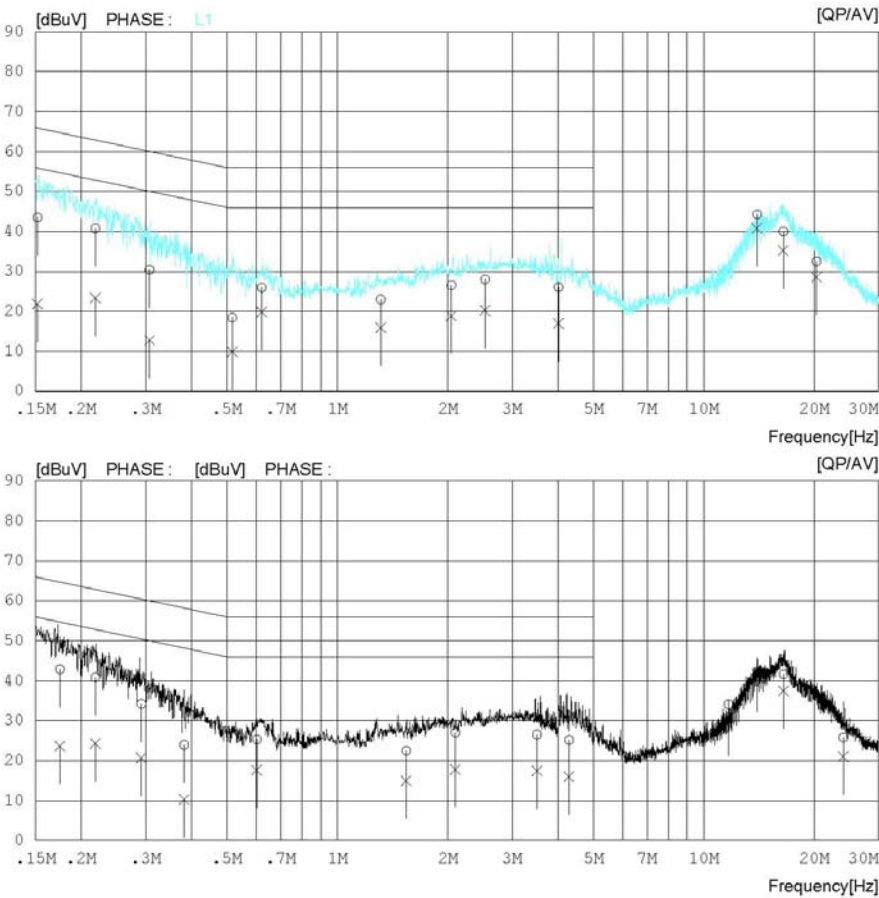
RESULT PLOTS

AC Line Conducted Emissions (Graph)

Test mode 1(TM 1)& Middle frequency

Results of Conducted Emission

Digital EMC			
Date : 2014-04-02			
Model No.	: WDG720M	Reference No.	:
Type	: WiFi Transmitter	Power Supply	: 120 V 60 Hz
Serial No.	: Identical prototype	Temp/Humi.	: 22 °C 40 % R.H.
Test Condition	: 802.11b	Operator	: HyunSu Son
Memo	:		
LIMIT : FCC P15.207 QP			
FCC P15.207 AV			



AC Line Conducted Emissions (List)

Test mode 1(TM 1)& Middle frequency

Results of Conducted Emission

Digital EMC
Date : 2014-04-01

Model No. : WDG720M
Type : WiFi Transmitter
Serial No. : Identical prototype
Test Condition : 802.11b
Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 'C 39 % R.H.
Operator : HyunSu Son

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.15178	33.2	11.6	10.3	43.5	21.9	65.9	55.9	22.4	34.0	L1
2	0.21831	30.5	13.1	10.3	40.8	23.4	62.9	52.9	22.1	29.5	L1
3	0.30708	20.1	2.5	10.3	30.4	12.8	60.0	50.0	29.6	37.2	L1
4	0.51624	8.2	-0.3	10.2	18.4	9.9	56.0	46.0	37.6	36.1	L1
5	0.62150	15.7	9.6	10.2	25.9	19.8	56.0	46.0	30.1	26.2	L1
6	1.31300	12.8	5.7	10.2	23.0	15.9	56.0	46.0	33.0	30.1	L1
7	2.04650	16.2	8.6	10.3	26.5	18.9	56.0	46.0	29.5	27.1	L1
8	2.53000	17.7	9.9	10.3	28.0	20.2	56.0	46.0	28.0	25.8	L1
9	4.01200	15.7	6.7	10.3	26.0	17.0	56.0	46.0	30.0	29.0	L1
10	13.99350	33.6	30.1	10.7	44.3	40.8	60.0	50.0	15.7	9.2	L1
11	16.48750	29.3	24.5	10.7	40.0	35.2	60.0	50.0	20.0	14.8	L1
12	20.32150	21.8	17.9	10.7	32.5	28.6	60.0	50.0	27.5	21.4	L1
13	0.17474	32.5	13.2	10.4	42.9	23.6	64.7	54.7	21.8	31.1	N
14	0.21830	30.6	14.0	10.3	40.9	24.3	62.9	52.9	22.0	28.6	N
15	0.29150	23.9	10.4	10.3	34.2	20.7	60.5	50.5	26.3	29.8	N
16	0.38170	13.7	-0.1	10.3	24.0	10.2	58.2	48.2	34.2	38.0	N
17	0.60216	15.1	7.4	10.2	25.3	17.6	56.0	46.0	30.7	28.4	N
18	1.54150	12.3	4.7	10.2	22.5	14.9	56.0	46.0	33.5	31.1	N
19	2.09950	16.8	7.5	10.3	27.1	17.8	56.0	46.0	28.9	28.2	N
20	3.50550	16.2	7.1	10.3	26.5	17.4	56.0	46.0	29.5	28.6	N
21	4.28950	14.9	5.7	10.3	25.2	16.0	56.0	46.0	30.8	30.0	N
22	11.67850	23.5	20.0	10.6	34.1	30.6	60.0	50.0	25.9	19.4	N
23	13.99200	31.7	31.0	10.7	42.4	41.7	60.0	50.0	17.6	8.3	N
24	16.51950	30.9	26.7	10.7	41.6	37.4	60.0	50.0	18.4	12.6	N
25	24.04200	14.8	10.0	11.0	25.8	21.0	60.0	50.0	34.2	29.0	N

AC Line Conducted Emissions (Graph)

Test mode 6(TM 6)& Middle frequency

Results of Conducted Emission

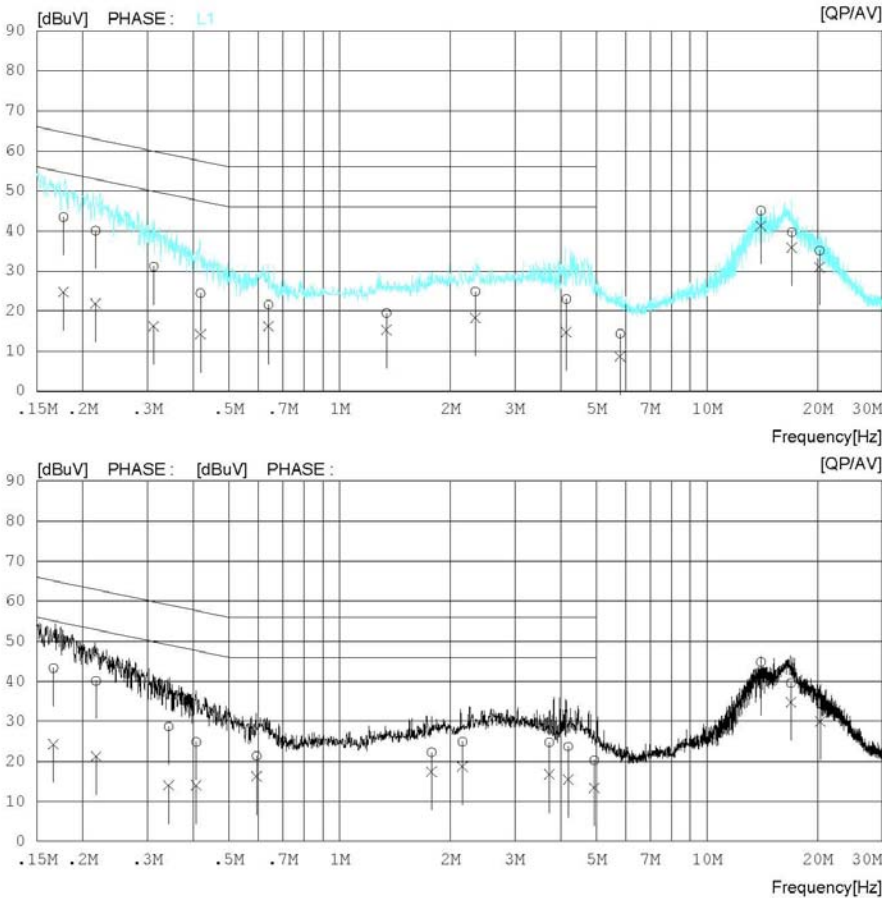
Digital EMC
Date : 2014-04-02

Model No. : WDG720M
Type : WiFi Transmitter
Serial No. : Identical prototype
Test Condition : 802.11n(HT20)

Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 'C 40 % R.H.
Operator : HyunSuSon

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV



AC Line Conducted Emissions (List)

Test mode 6(TM 6)& Middle frequency

Results of Conducted Emission

Digital EMC
Date : 2014-04-02

Model No. : WDG720M
Type : WiFi Transmitter
Serial No. : Identical prototype
Test Condition : 802.11n(HT20)
Reference No. :
Power Supply : 120 V 60 Hz
Temp/Humi. : 22 'C 41 % R.H.
Operator : HyunSuSon

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

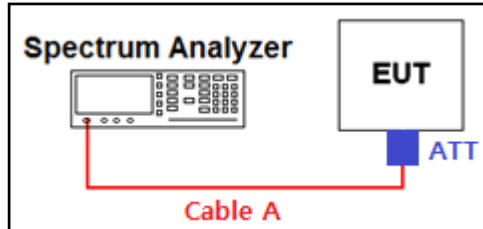
NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.17694	33.1	14.3	10.4	43.5	24.7	64.6	54.6	21.1	29.9	L1
2	0.21658	29.7	11.4	10.4	40.1	21.8	62.9	52.9	22.8	31.1	L1
3	0.31208	20.8	5.9	10.3	31.1	16.2	59.9	49.9	28.8	33.7	L1
4	0.41804	14.2	4.0	10.2	24.4	14.2	57.5	47.5	33.1	33.3	L1
5	0.63998	11.3	6.0	10.2	21.5	16.2	56.0	46.0	34.5	29.8	L1
6	1.34050	9.3	5.0	10.2	19.5	15.2	56.0	46.0	36.5	30.8	L1
7	2.34150	14.5	8.0	10.3	24.8	18.3	56.0	46.0	31.2	27.7	L1
8	4.14000	12.7	4.4	10.3	23.0	14.7	56.0	46.0	33.0	31.3	L1
9	5.80650	3.9	-1.8	10.4	14.3	8.6	60.0	50.0	45.7	41.4	L1
10	14.02500	34.4	30.5	10.7	45.1	41.2	60.0	50.0	14.9	8.8	L1
11	17.02350	28.9	25.1	10.7	39.6	35.8	60.0	50.0	20.4	14.2	L1
12	20.25900	24.4	20.3	10.7	35.1	31.0	60.0	50.0	24.9	19.0	L1
13	0.16633	33.0	14.0	10.3	43.3	24.3	65.1	55.1	21.8	30.8	N
14	0.21705	29.8	11.0	10.3	40.1	21.3	62.9	52.9	22.8	31.6	N
15	0.34236	18.4	3.7	10.3	28.7	14.0	59.1	49.1	30.4	35.1	N
16	0.40705	14.7	3.8	10.2	24.9	14.0	57.7	47.7	32.8	33.7	N
17	0.59458	11.2	6.0	10.2	21.4	16.2	56.0	46.0	34.6	29.8	N
18	1.78000	12.0	7.1	10.3	22.3	17.4	56.0	46.0	33.7	28.6	N
19	2.16000	14.6	8.4	10.3	24.9	18.7	56.0	46.0	31.1	27.3	N
20	3.72500	14.5	6.4	10.3	24.8	16.7	56.0	46.0	31.2	29.3	N
21	4.19050	13.4	5.2	10.3	23.7	15.5	56.0	46.0	32.3	30.5	N
22	4.93750	10.0	3.1	10.3	20.3	13.4	56.0	46.0	35.7	32.6	N
23	14.02400	34.1	30.3	10.7	44.8	41.0	60.0	50.0	15.2	9.0	N
24	16.93550	28.9	24.1	10.7	39.6	34.8	60.0	50.0	20.4	15.2	N
25	20.38100	23.8	19.3	10.7	34.5	30.0	60.0	50.0	25.5	20.0	N

8.7 Occupied bandwidth

Test Requirements, RSS-Gen [4.6.1]

When an occupied bandwidth value is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is to be its 99% emission bandwidth, as calculated or measured.

■ TEST CONFIGURATION



■ TEST PROCEDURE

The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used given that a peak or peak hold may produce a wider bandwidth than actual.

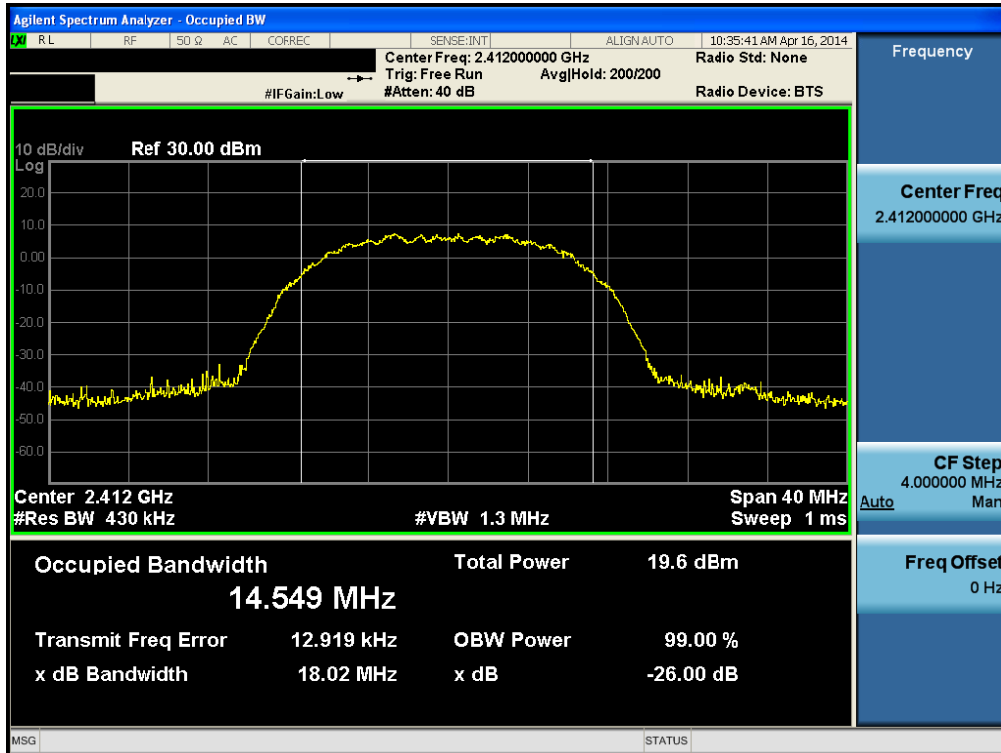
■ TEST RESULTS: **Comply**

Test Mode	Frequency	Test Results[MHz]	
		ANT 1	ANT 2
TM 1	Lowest	14.549	14.507
	Middle	14.515	14.491
	Highest	14.538	14.532
TM 2	Lowest	16.645	16.654
	Middle	16.601	16.599
	Highest	16.628	16.693
TM 3	Lowest	17.616	17.562
	Middle	17.586	17.589
	Highest	17.579	17.610
TM 4	Lowest	36.008	35.959
	Middle	36.011	35.979
	Highest	35.968	35.992
TM 5	Lowest	16.596	16.616
	Middle	16.648	16.628
	Highest	16.635	16.638
TM 6	Lowest	17.571	17.527
	Middle	17.550	17.565
	Highest	17.630	17.583
TM 7	Lowest	36.067	35.995
	Highest	36.104	36.045

■ RESULT PLOTS

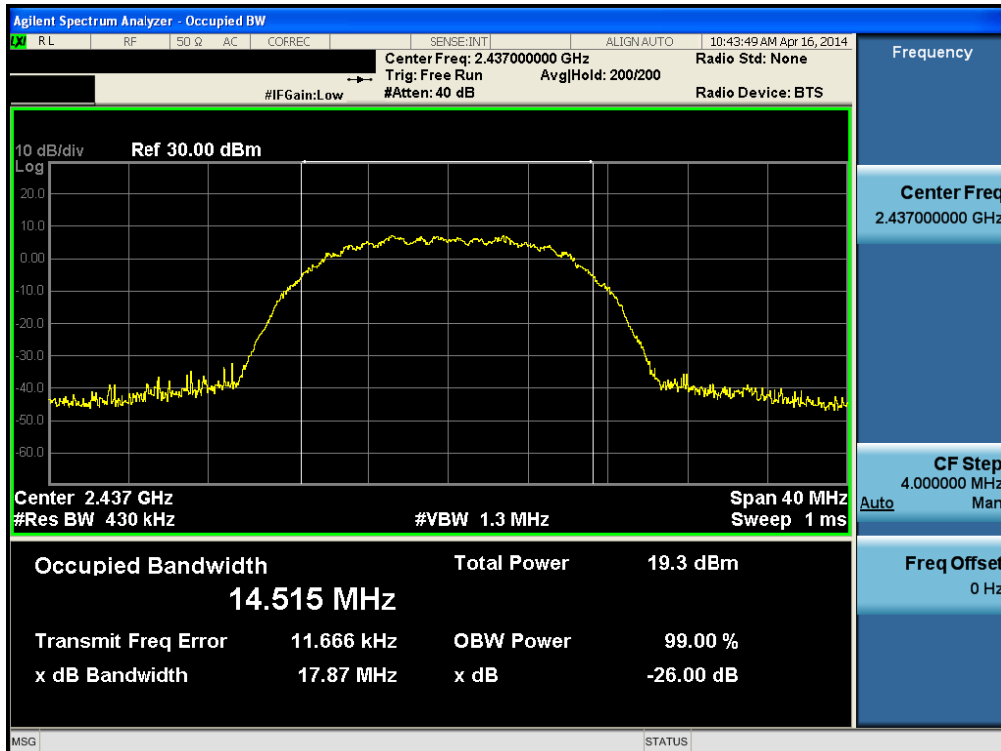
Occupied Bandwidth

TM 1 & ANT 1 & Lowest



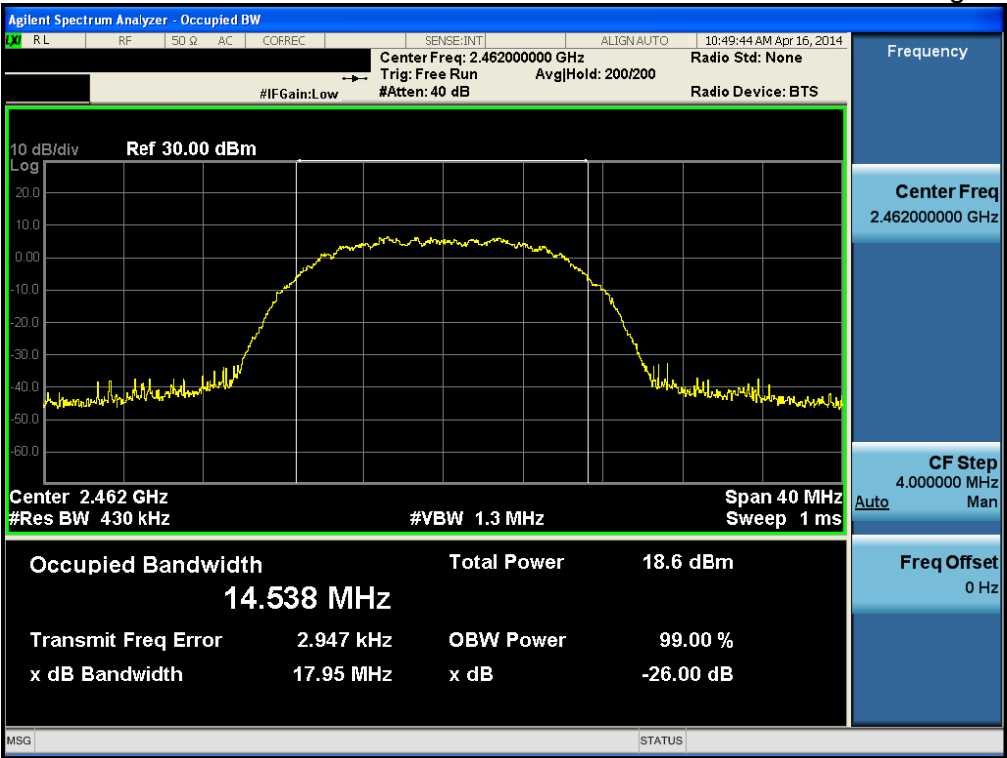
Occupied Bandwidth

TM 1 & ANT 1 & Middle



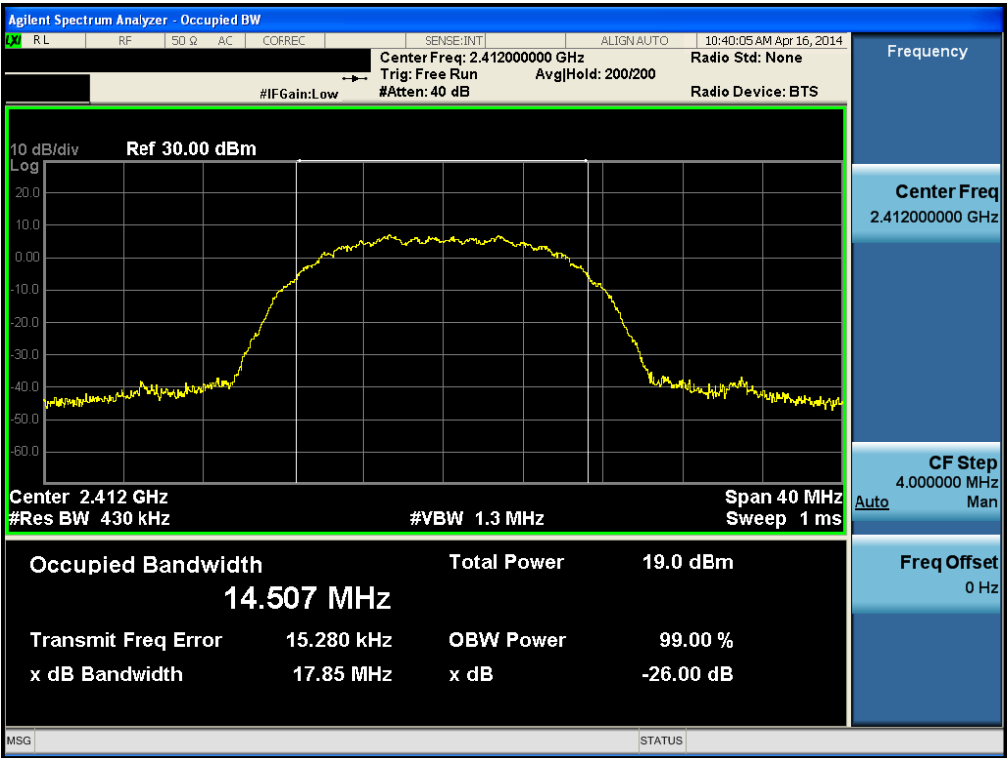
Occupied Bandwidth

TM 1 & ANT 1 & Highest



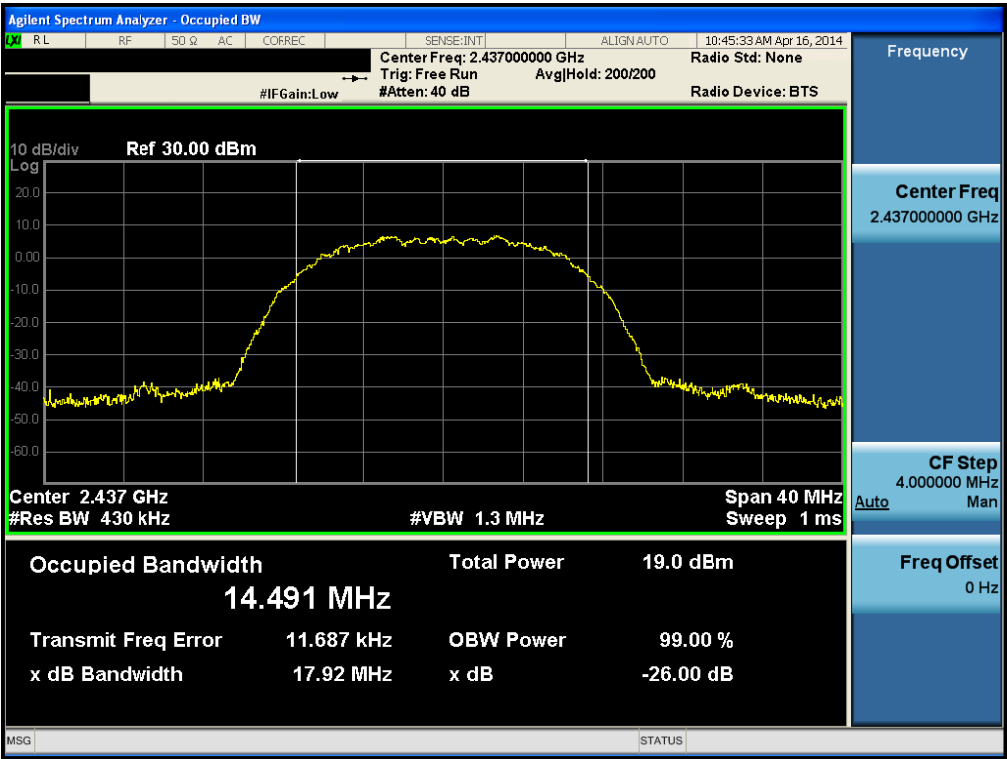
Occupied Bandwidth

TM 1 & ANT 2 & Lowest



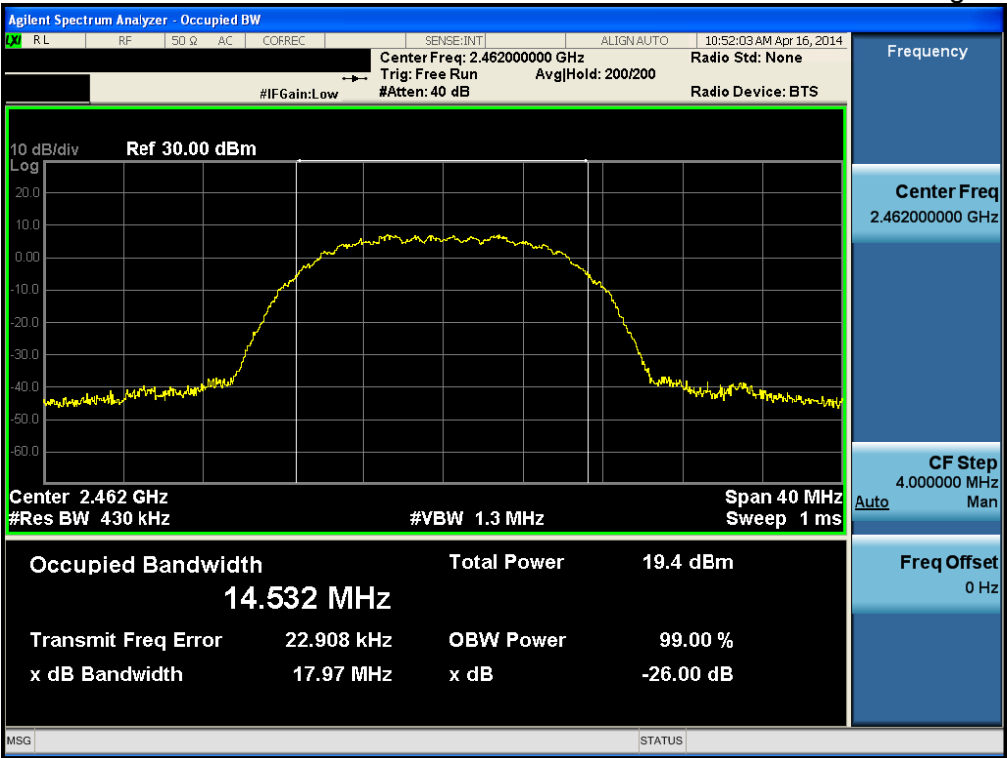
Occupied Bandwidth

TM 1 & ANT 2 & Middle



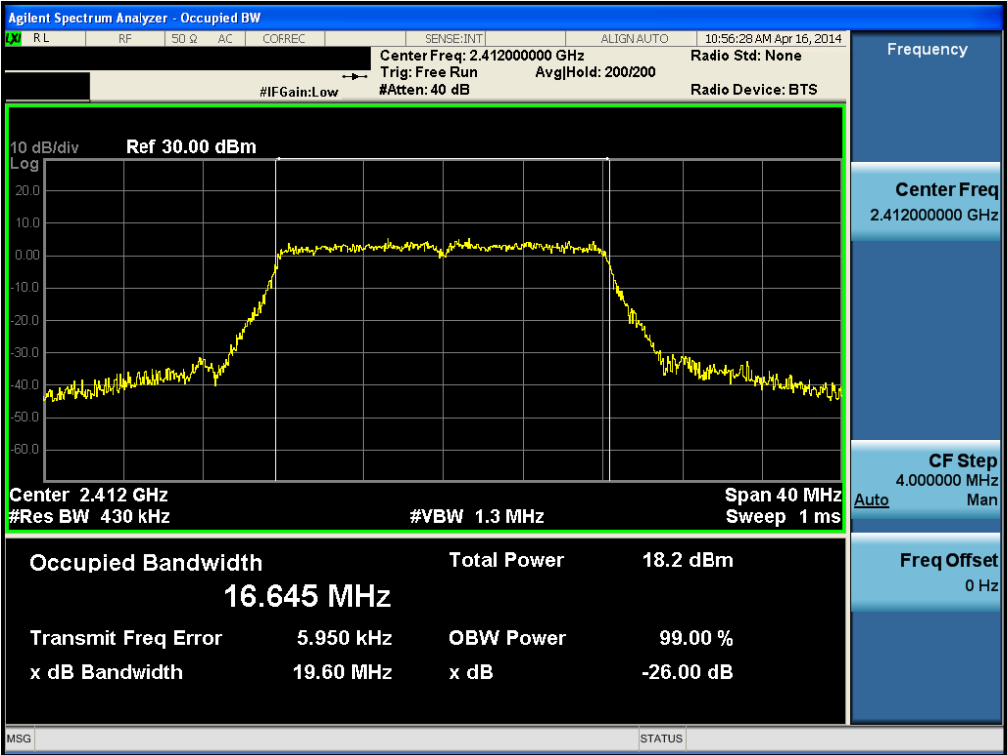
Occupied Bandwidth

TM 1 & ANT 2 & Highest



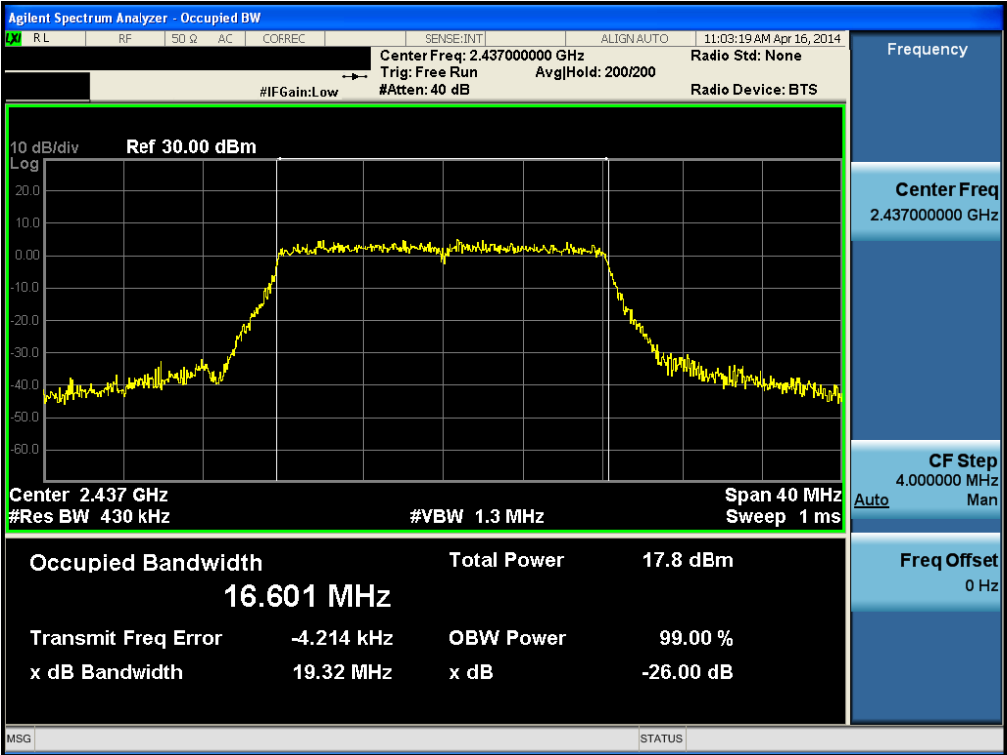
Occupied Bandwidth

TM 2 & ANT 1 & Lowest

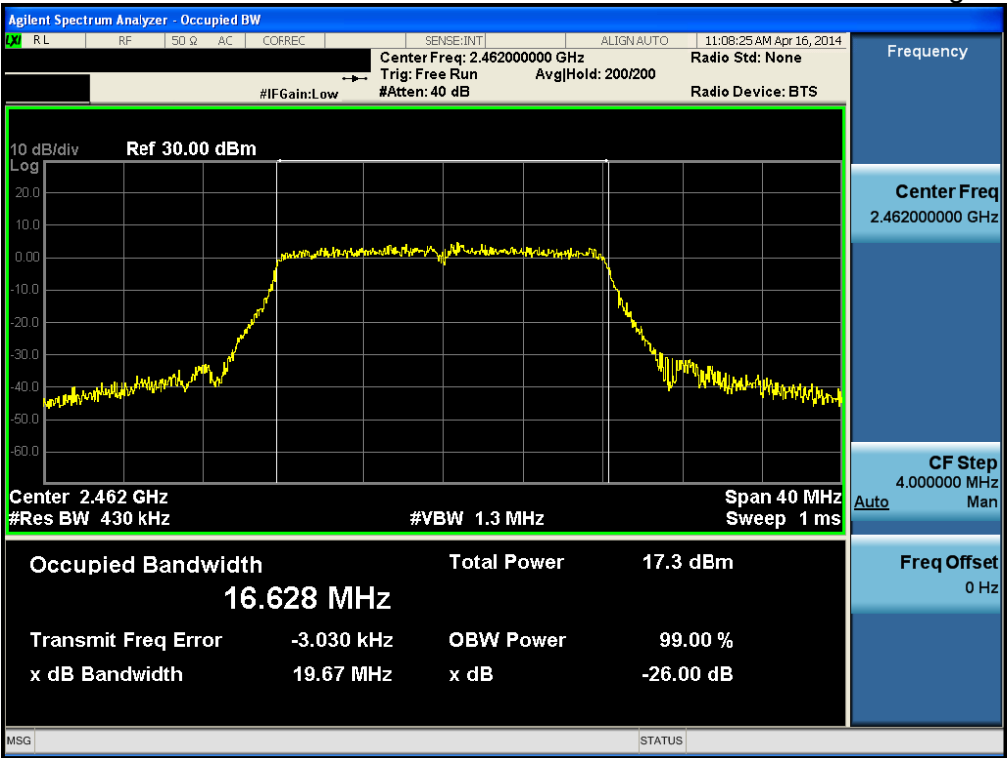


Occupied Bandwidth

TM 2 & ANT 1 & Middle

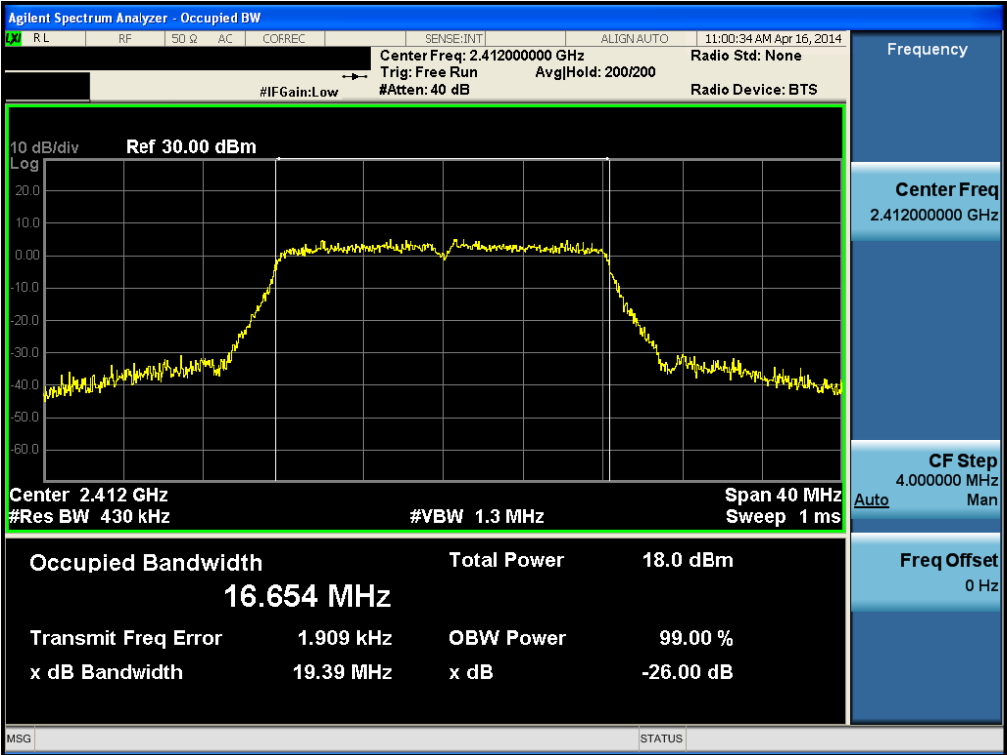


Occupied Bandwidth TM 2 & ANT 1 & Highest



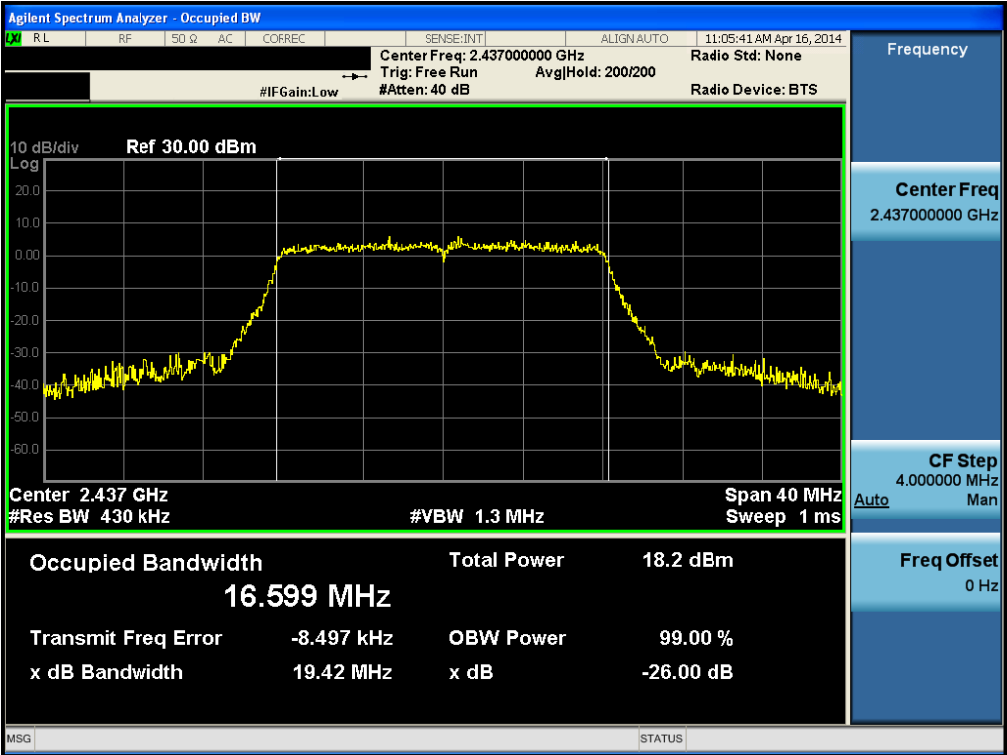
Occupied Bandwidth

TM 2 & ANT 2 & Lowest

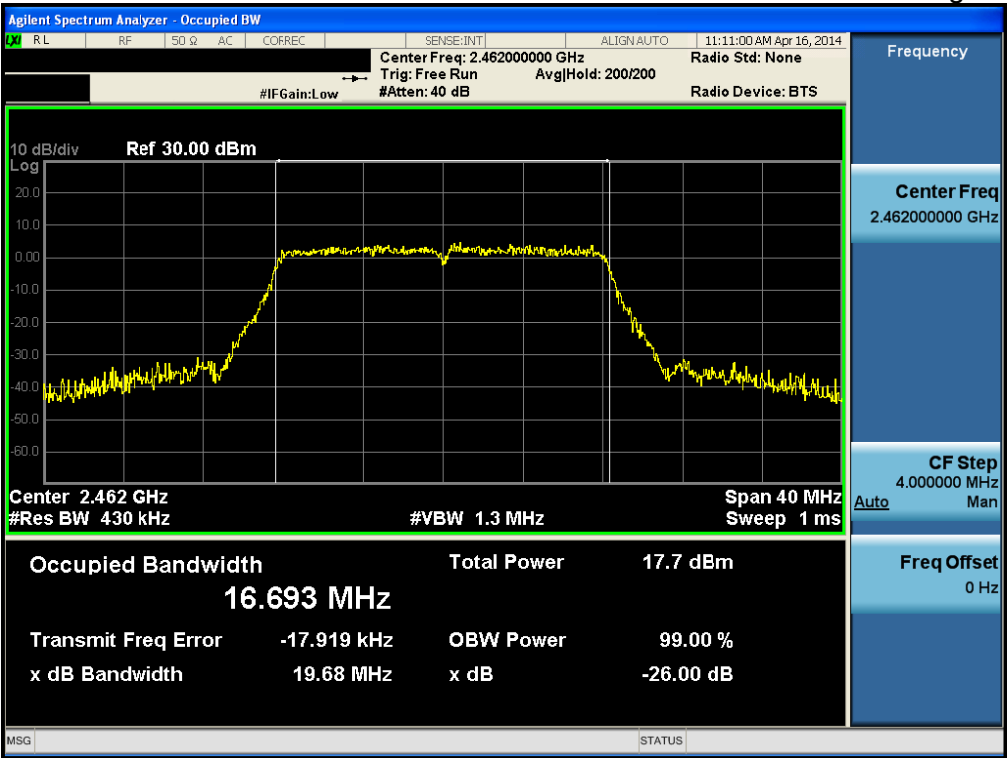


Occupied Bandwidth

TM 2 & ANT 2 & Middle

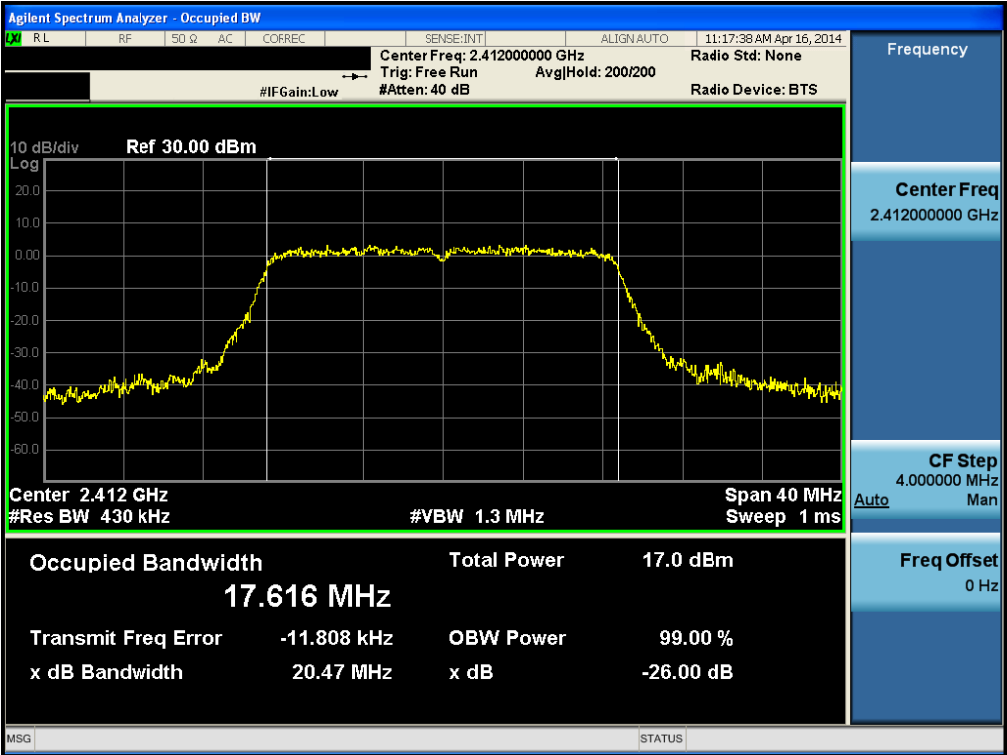


Occupied Bandwidth TM 2 & ANT 2 & Highest



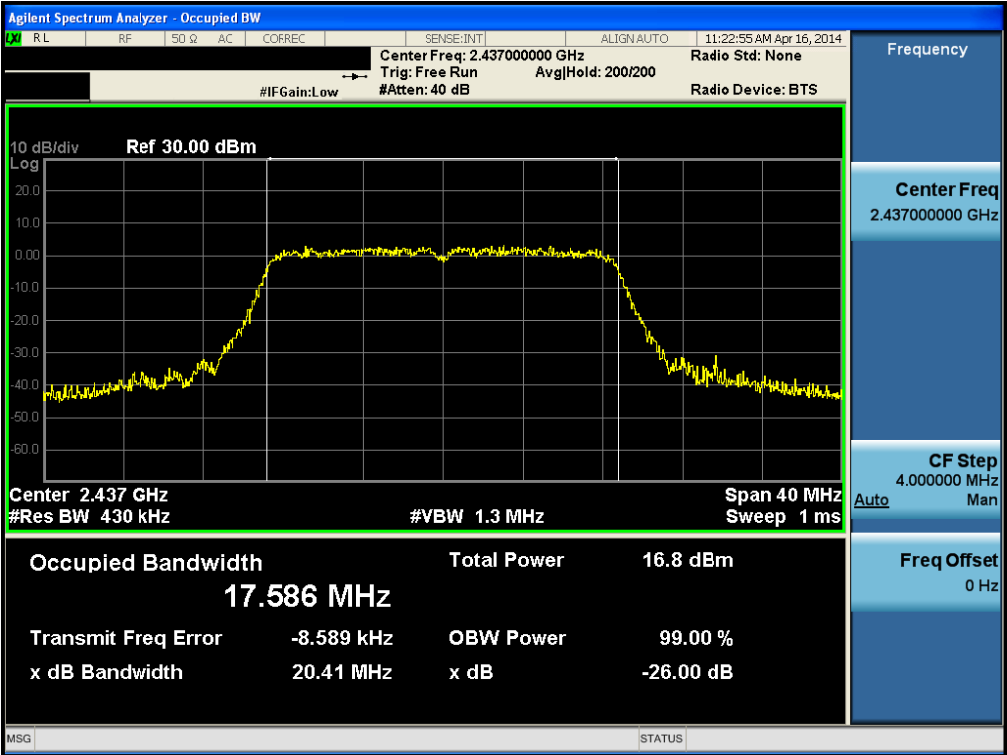
Occupied Bandwidth

TM 3 & ANT 1 & Lowest



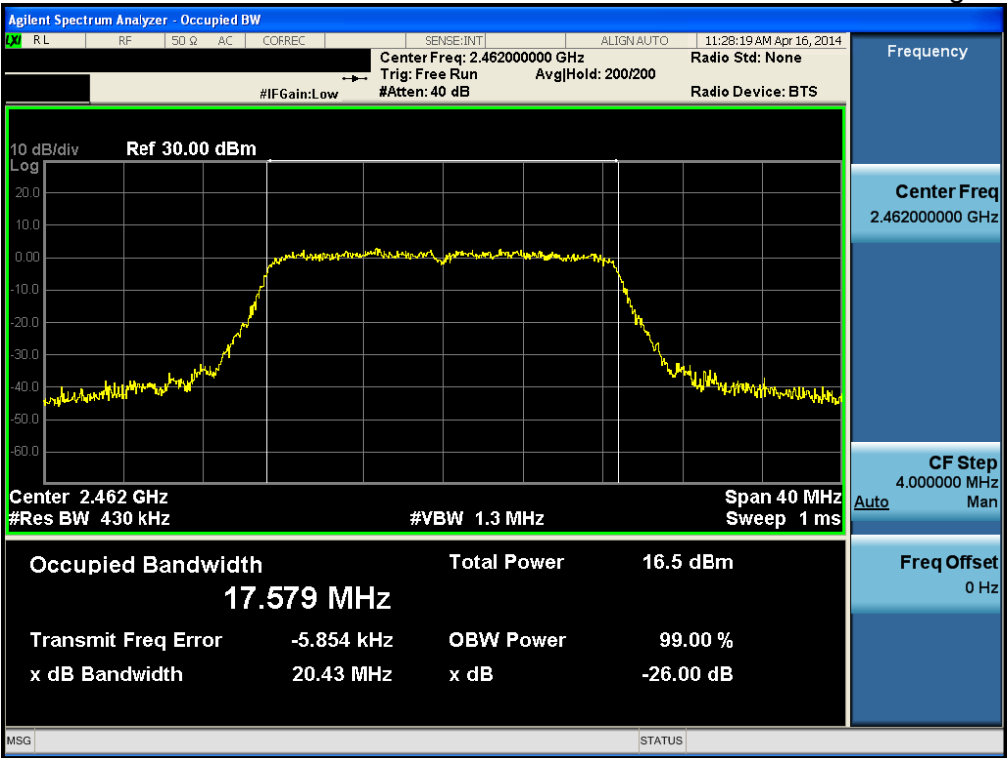
Occupied Bandwidth

TM 3 & ANT 1 & Middle



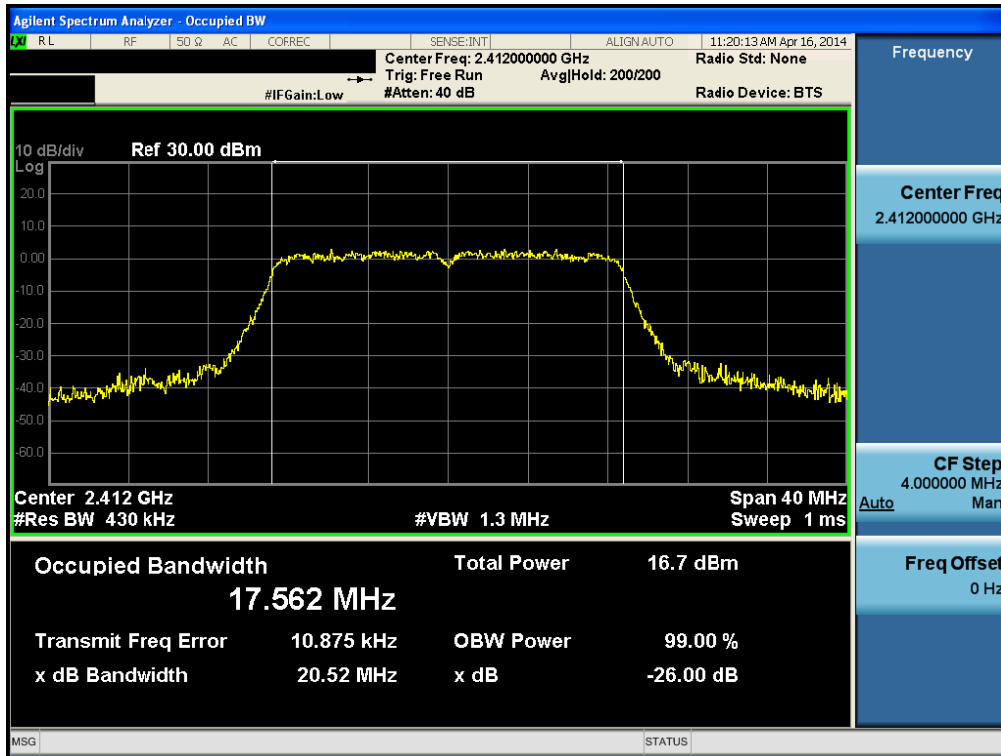
Occupied Bandwidth

TM 3 & ANT 1 & Highest



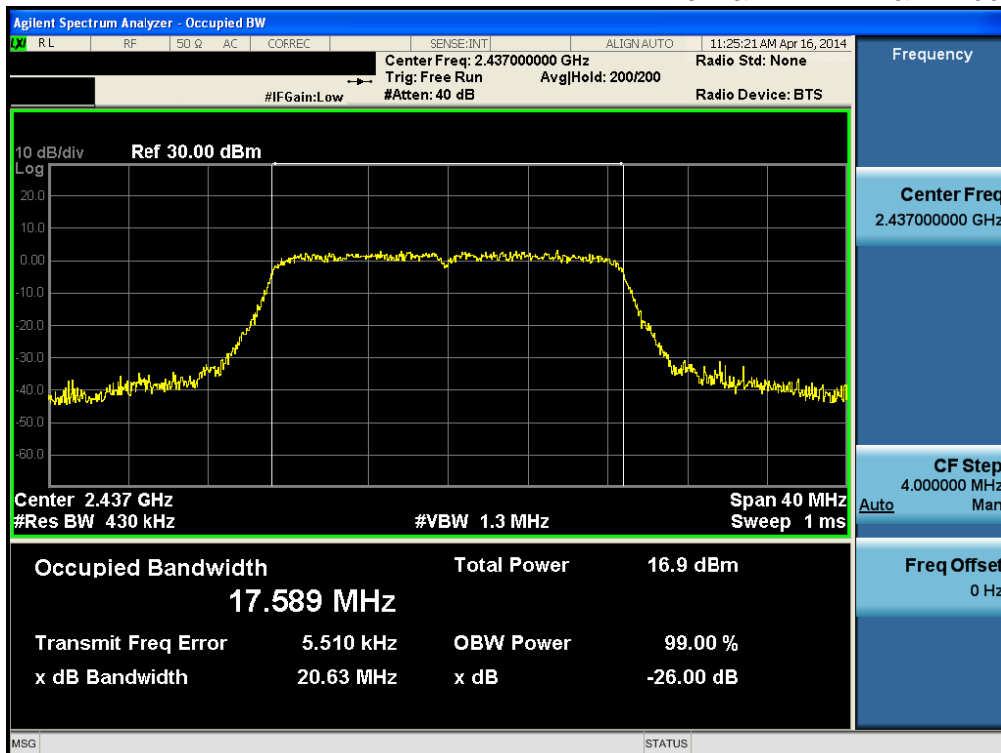
Occupied Bandwidth

TM 3 & ANT 2 & Lowest

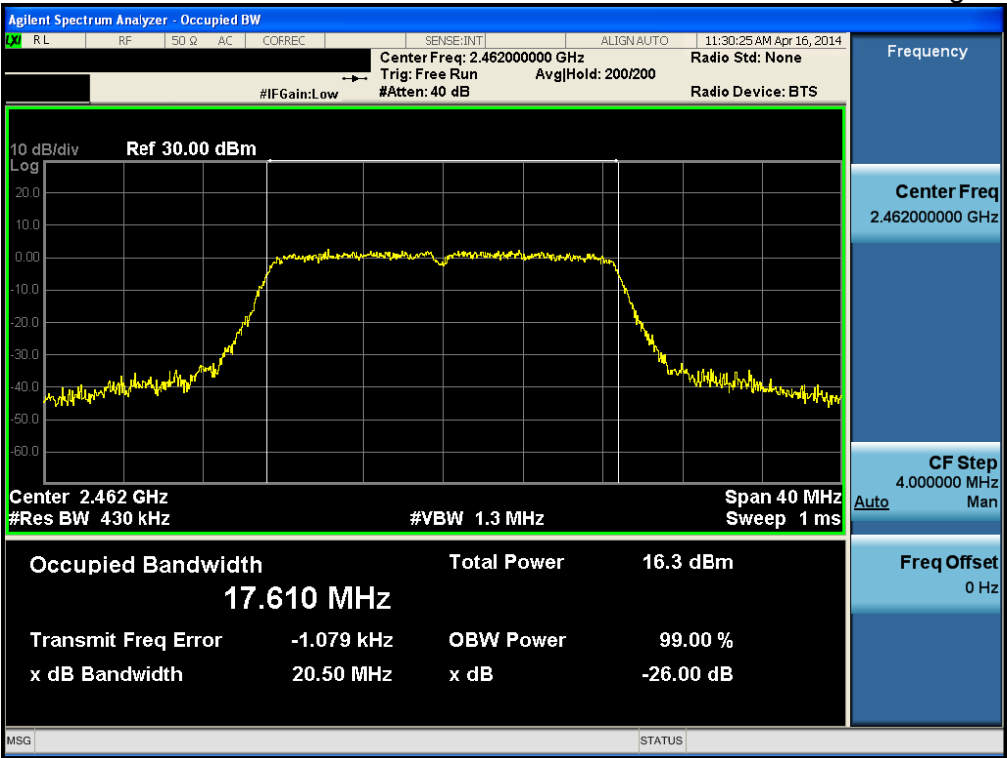


Occupied Bandwidth

TM 3 & ANT 2 & Middle

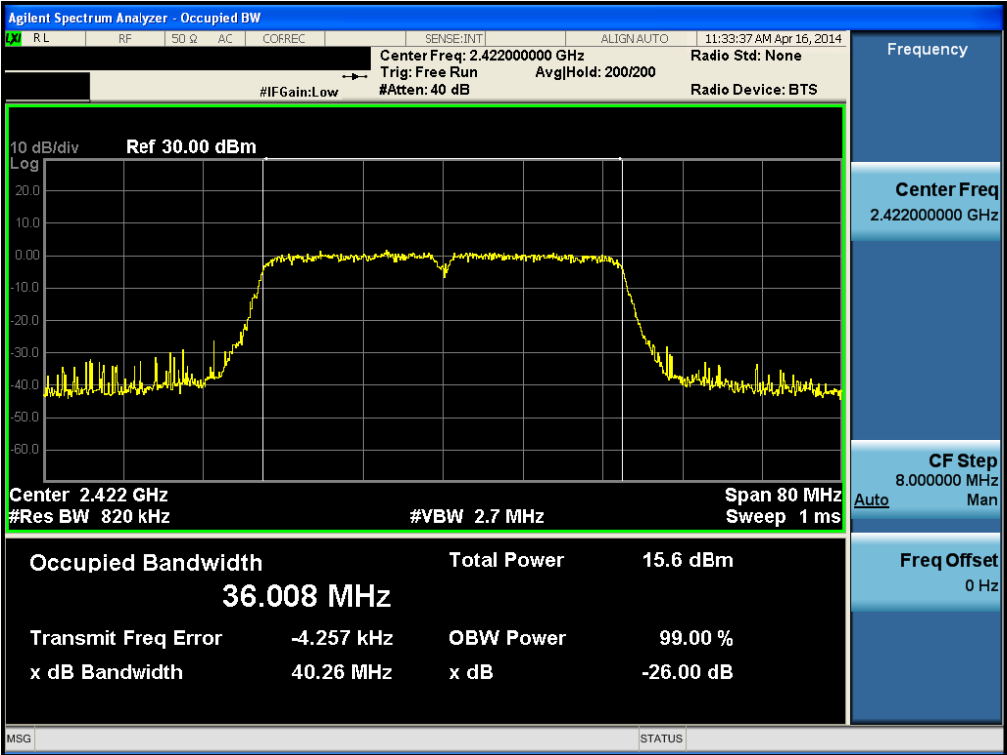


Occupied Bandwidth TM 3 & ANT 2 & Highest



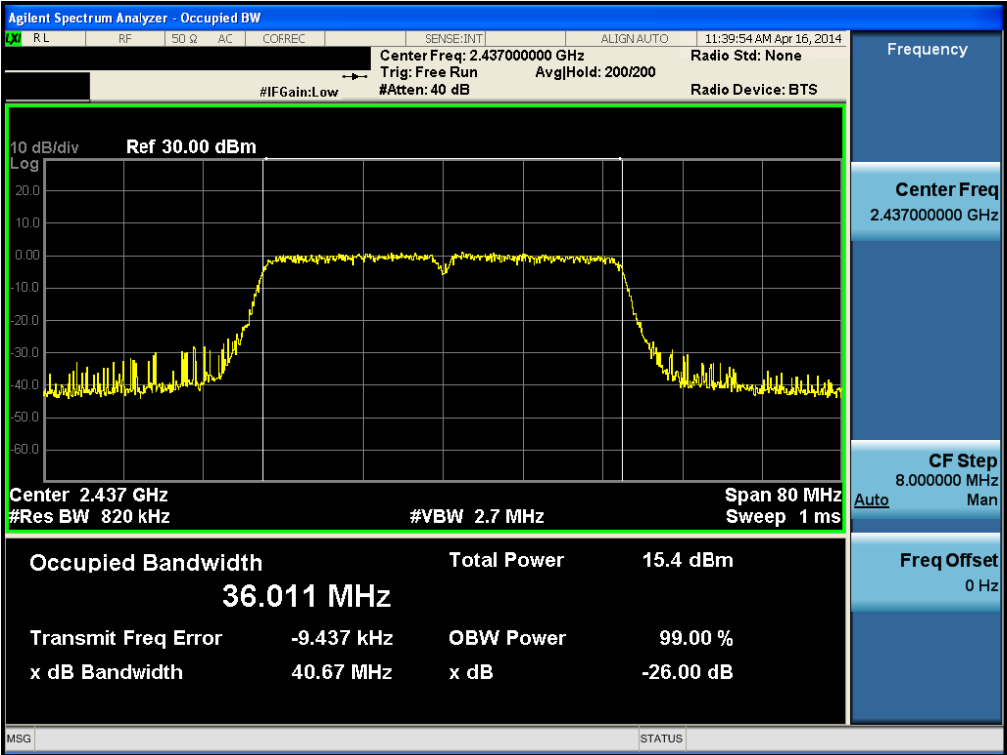
Occupied Bandwidth

TM 4 & ANT 1 & Lowest

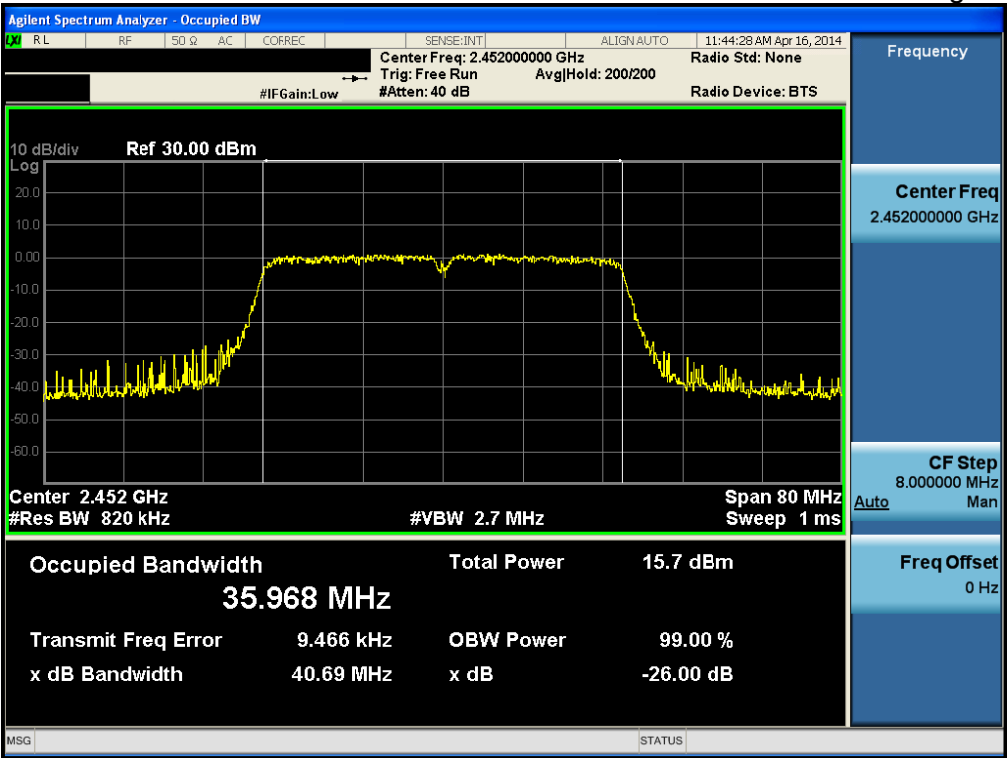


Occupied Bandwidth

TM 4 & ANT 1 & Middle

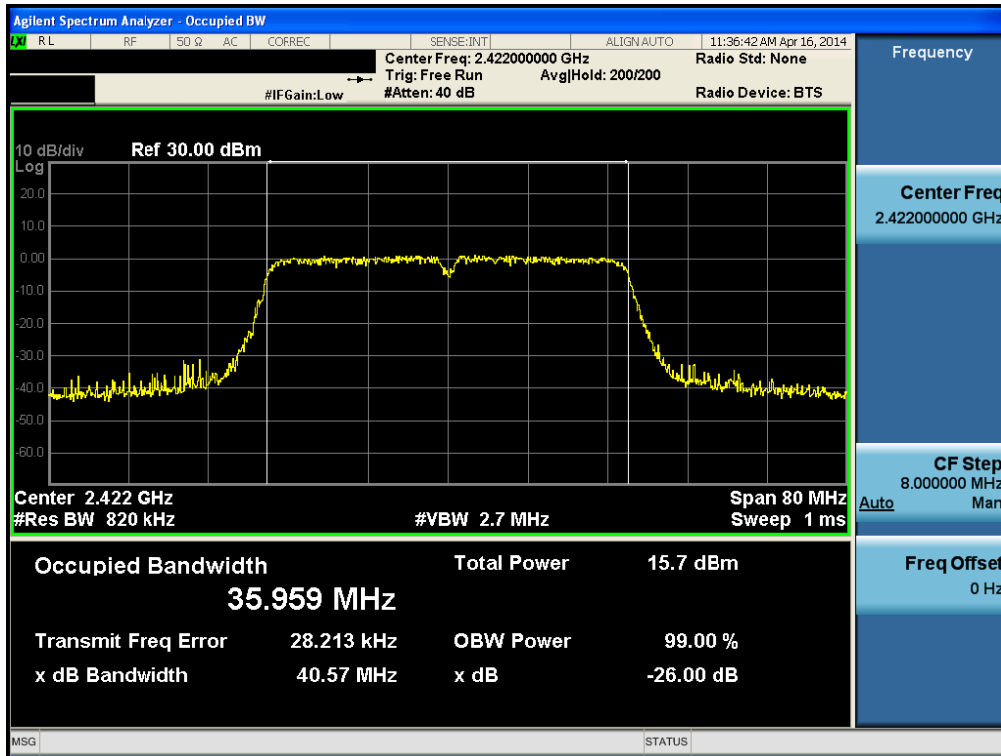


Occupied Bandwidth TM 4 & ANT 1 & Highest



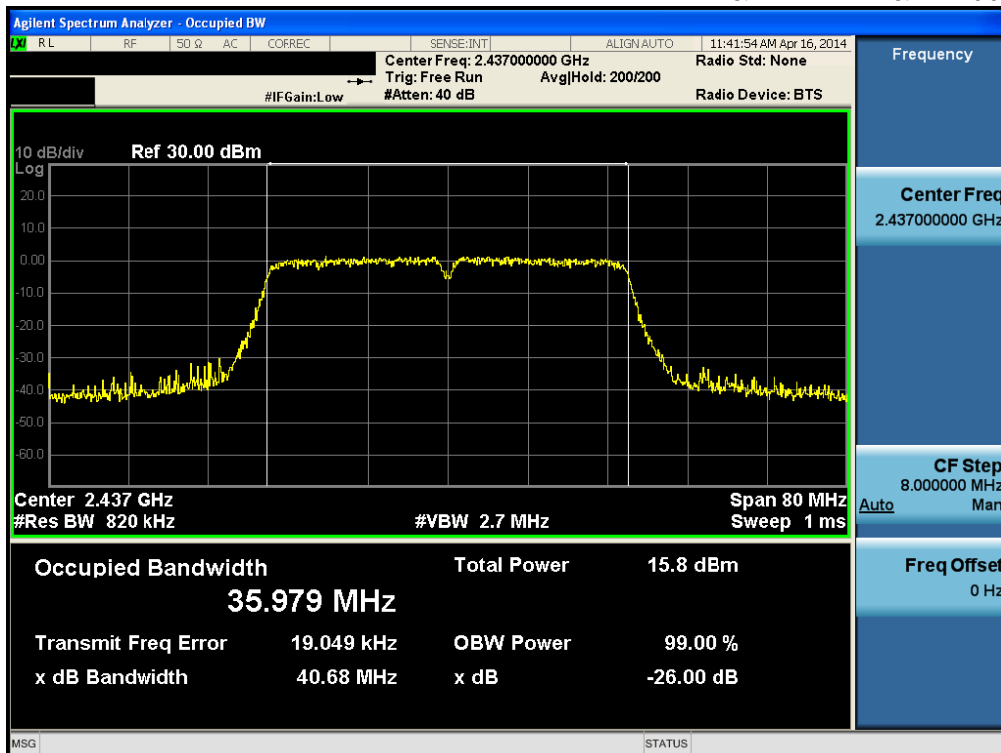
Occupied Bandwidth

TM 4 & ANT 2 & Lowest

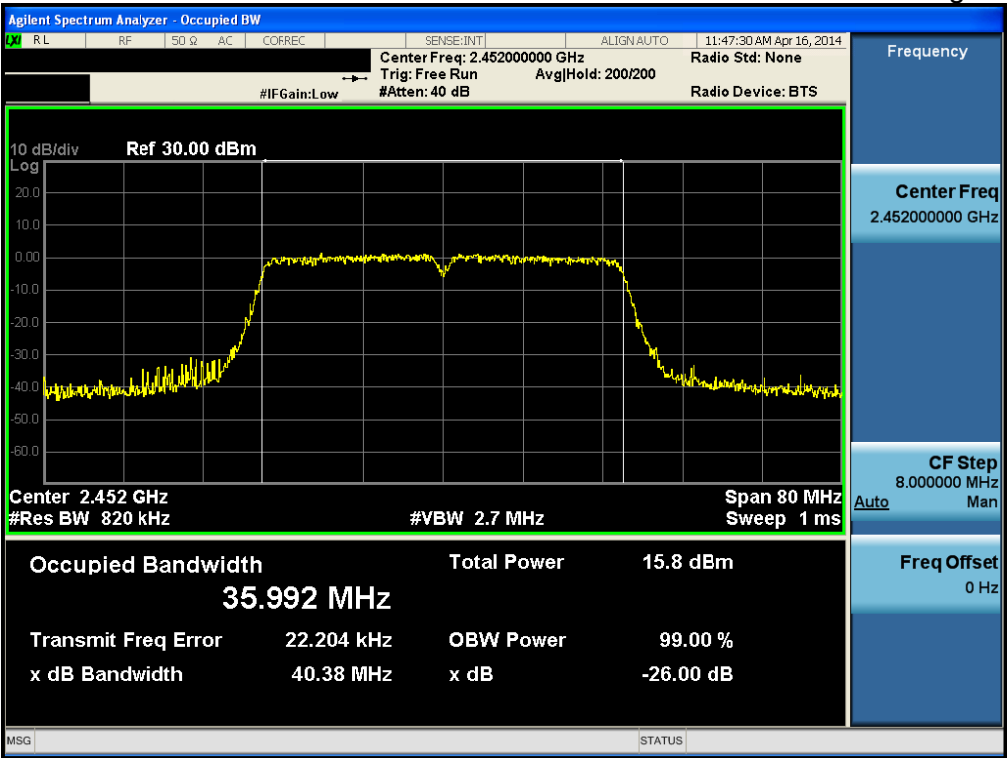


Occupied Bandwidth

TM 4 & ANT 2 & Middle

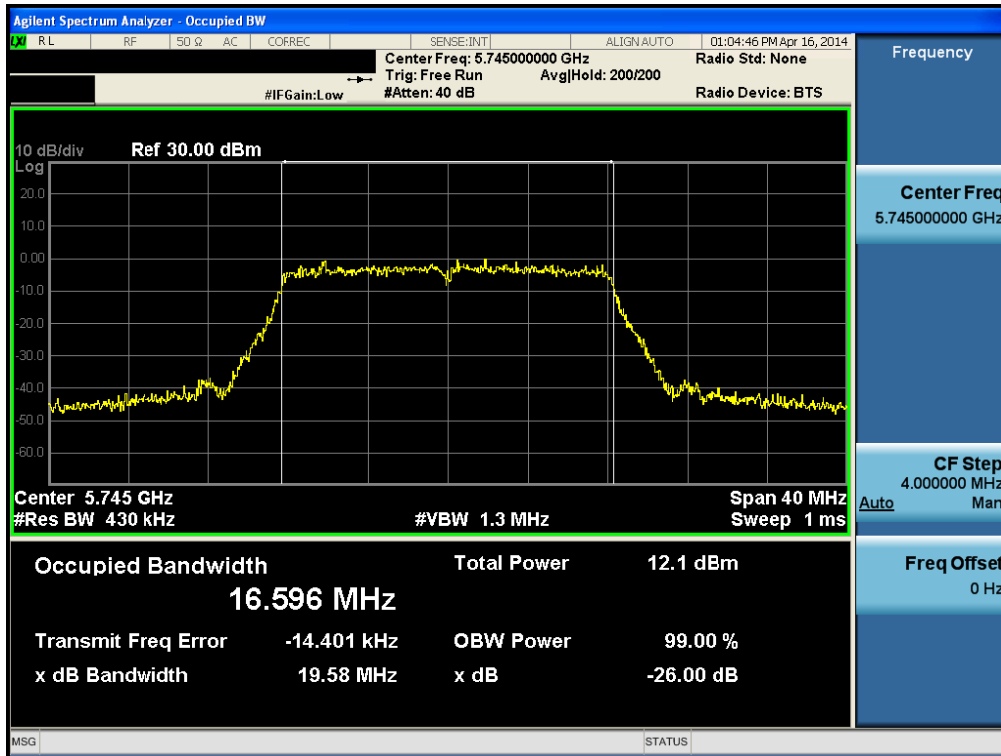


Occupied Bandwidth TM 4 & ANT 2 & Highest



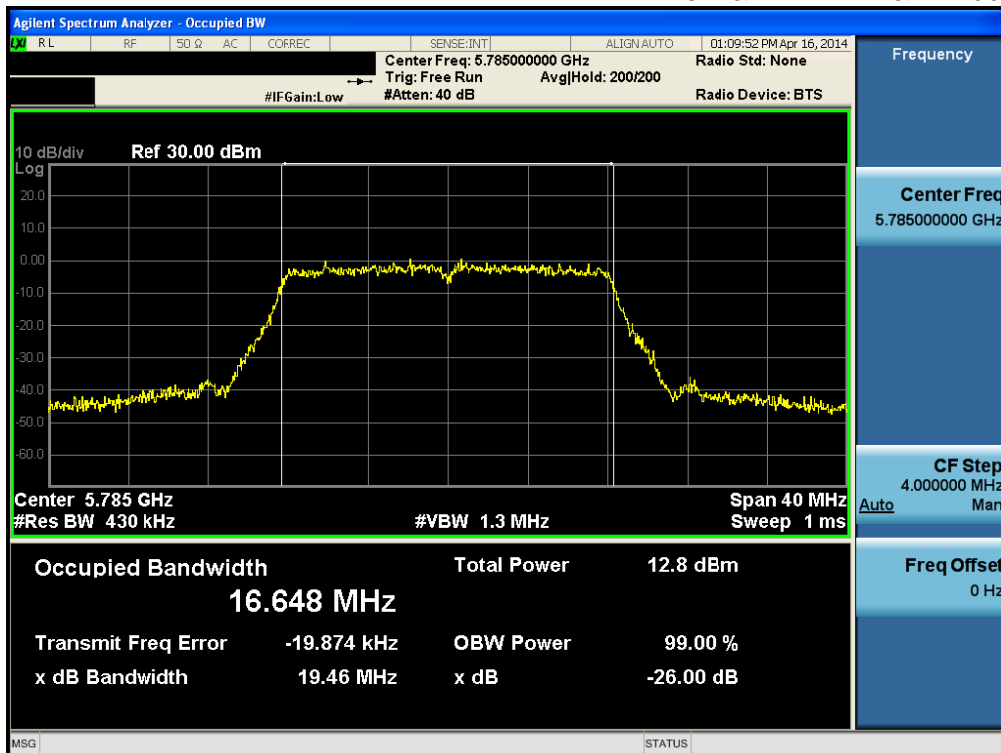
Occupied Bandwidth

TM 5 & ANT 1 & Lowest



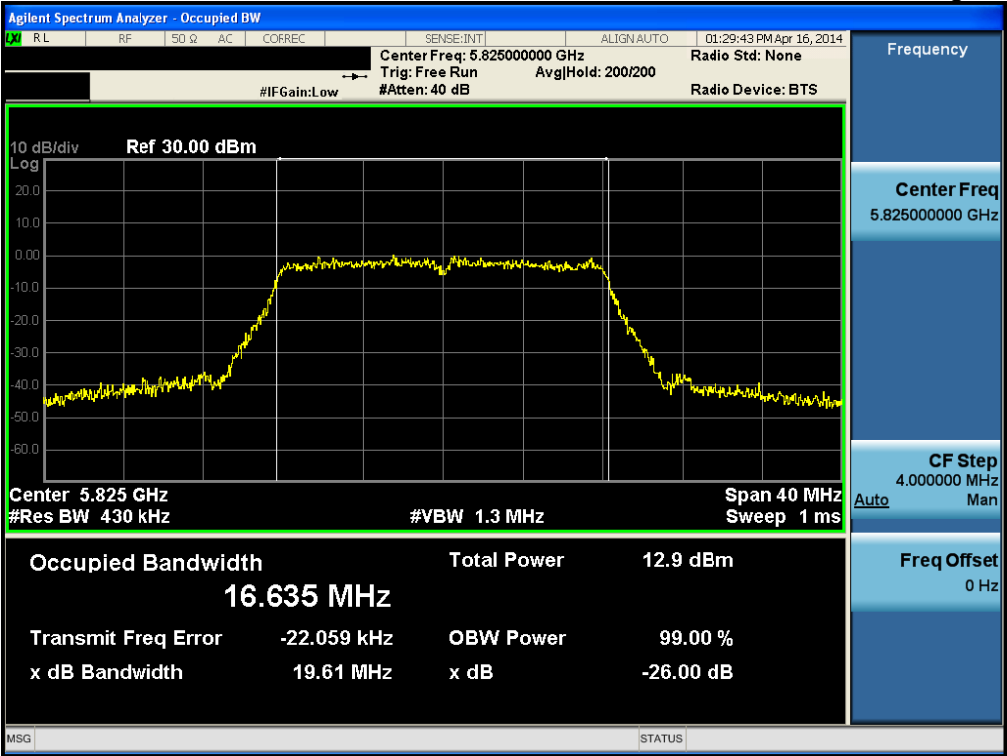
Occupied Bandwidth

TM 5 & ANT 1 & Middle



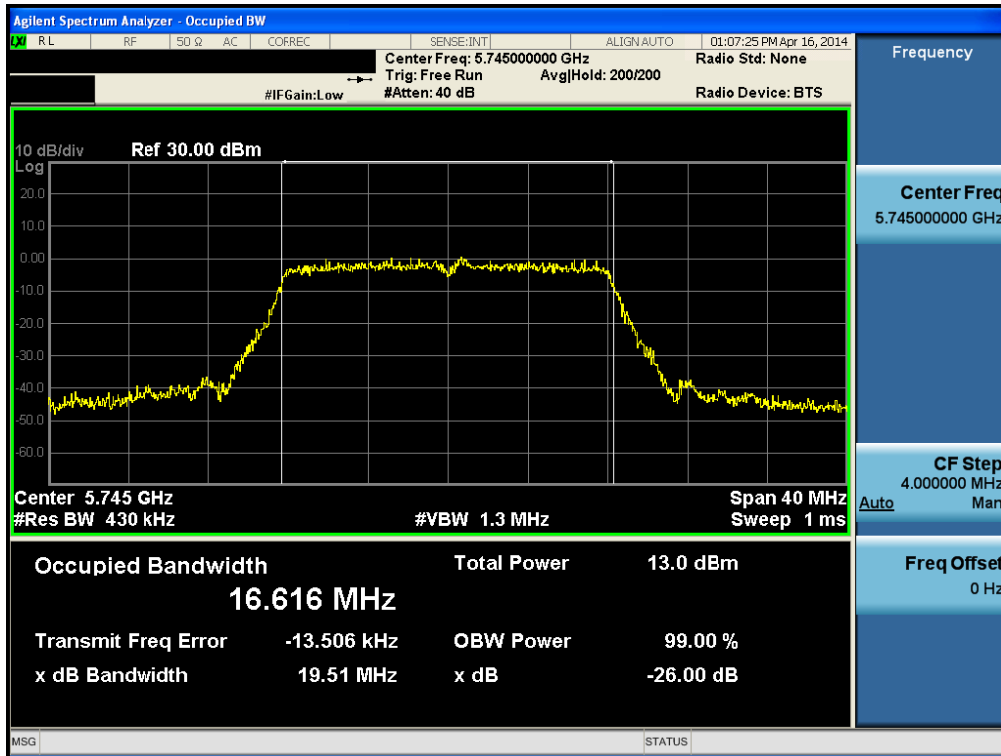
Occupied Bandwidth

TM 5 & ANT 1 & Highest



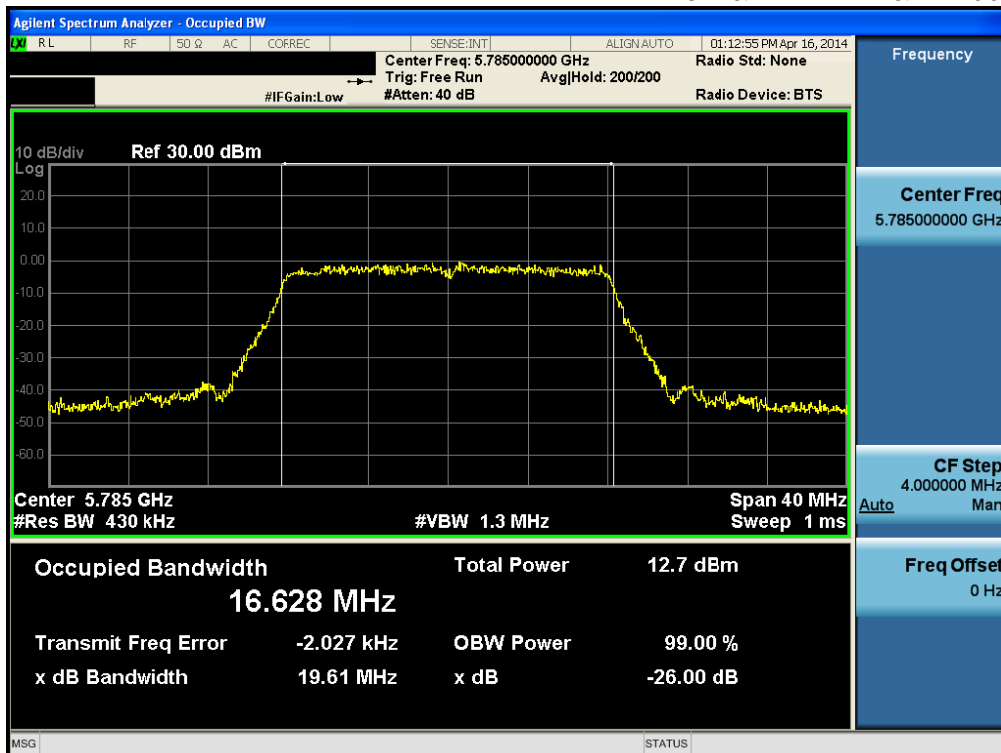
Occupied Bandwidth

TM 5 & ANT 2 & Lowest



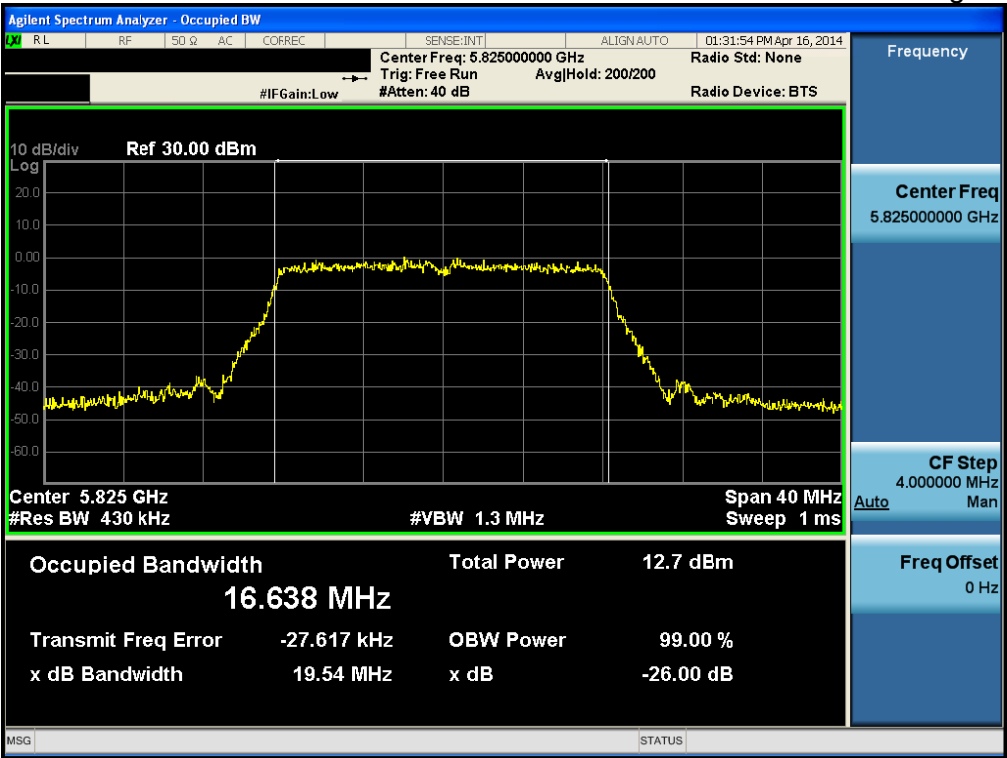
Occupied Bandwidth

TM 5 & ANT 2 & Middle



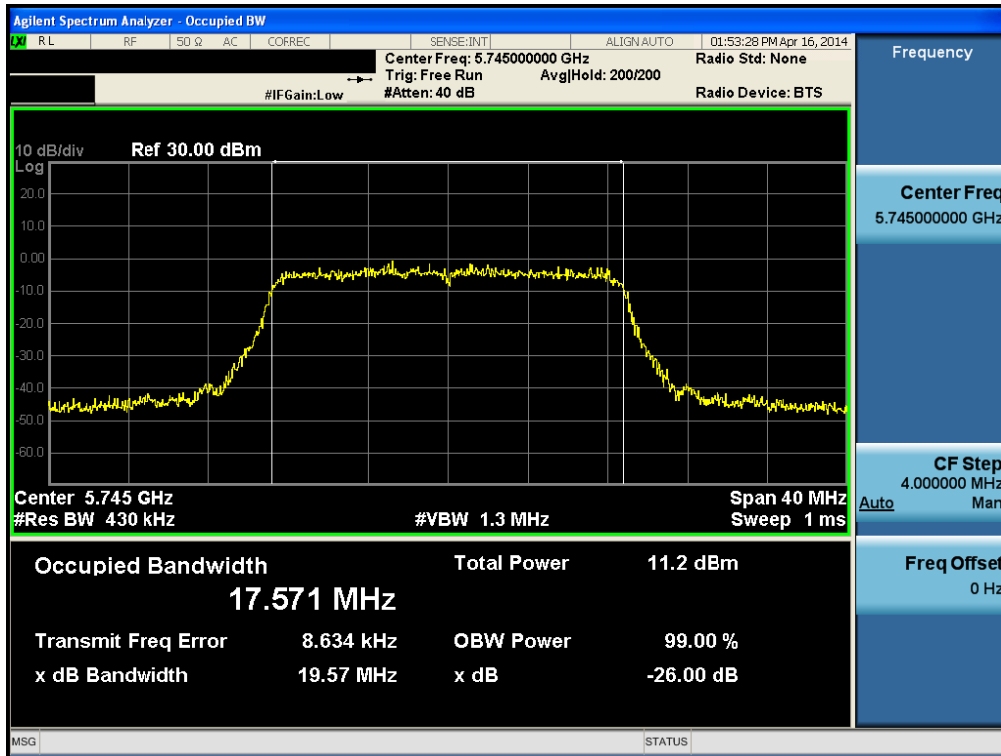
Occupied Bandwidth

TM 5 & ANT 2 & Highest



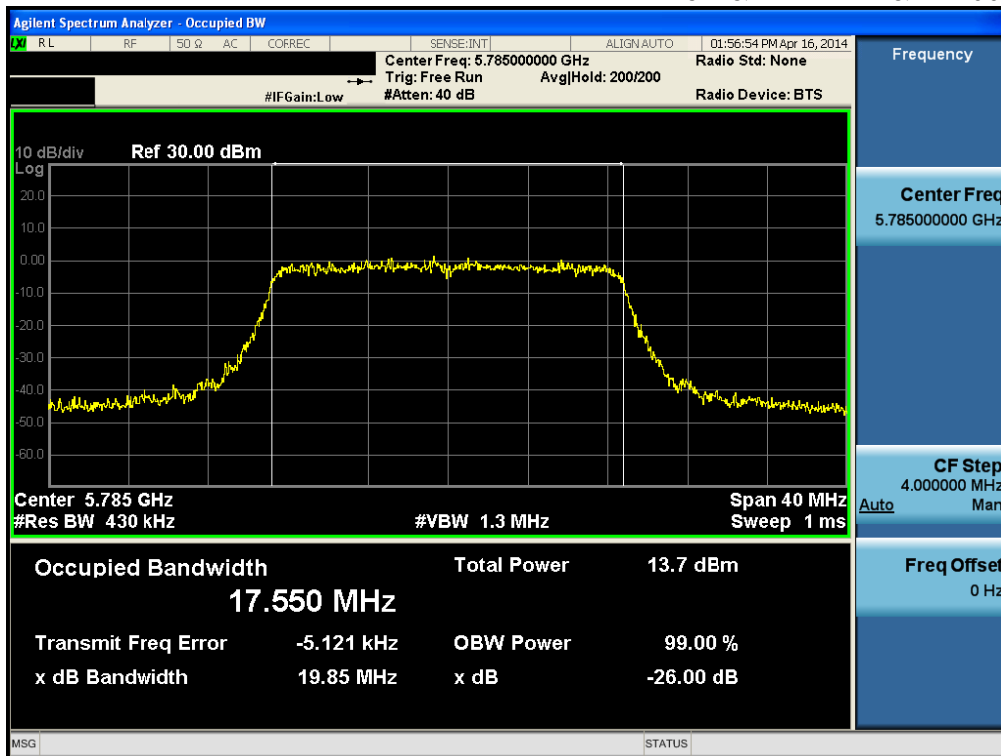
Occupied Bandwidth

TM 6 & ANT 1 & Lowest



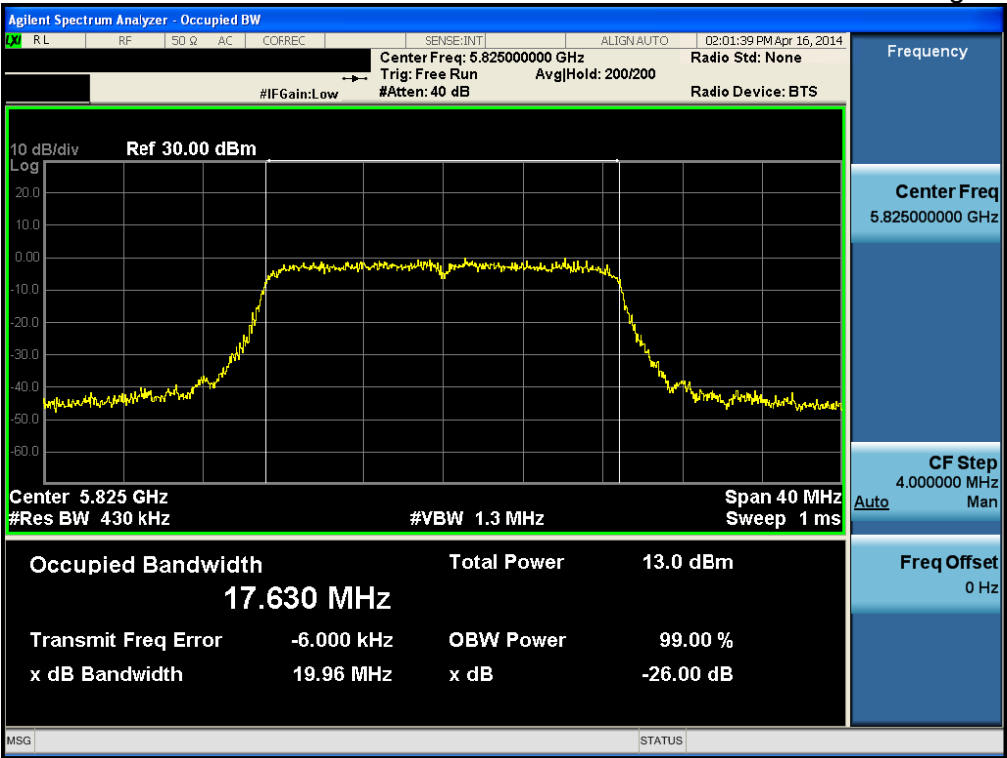
Occupied Bandwidth

TM 6 & ANT 1 & Middle



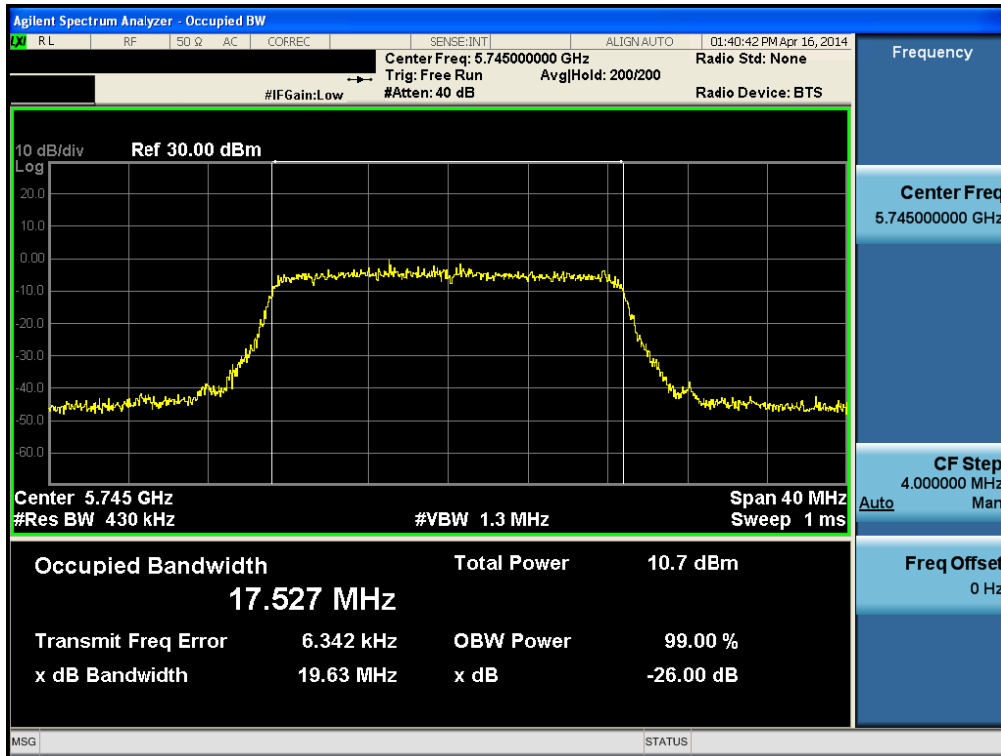
Occupied Bandwidth

TM 6 & ANT 1 & Highest



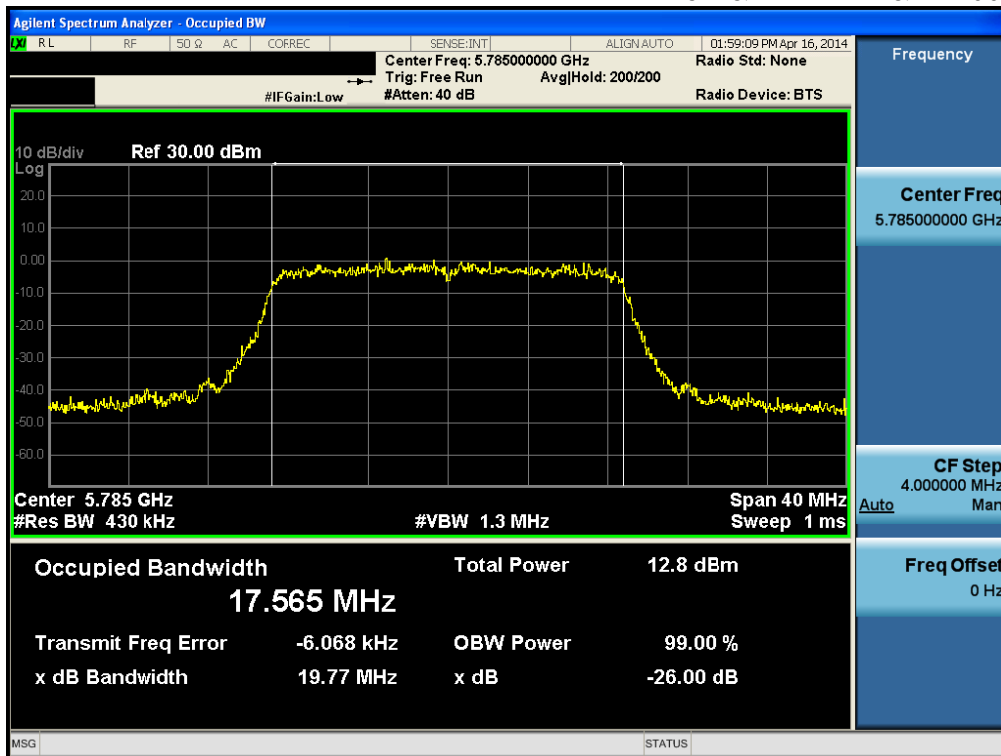
Occupied Bandwidth

TM 6 & ANT 2 & Lowest

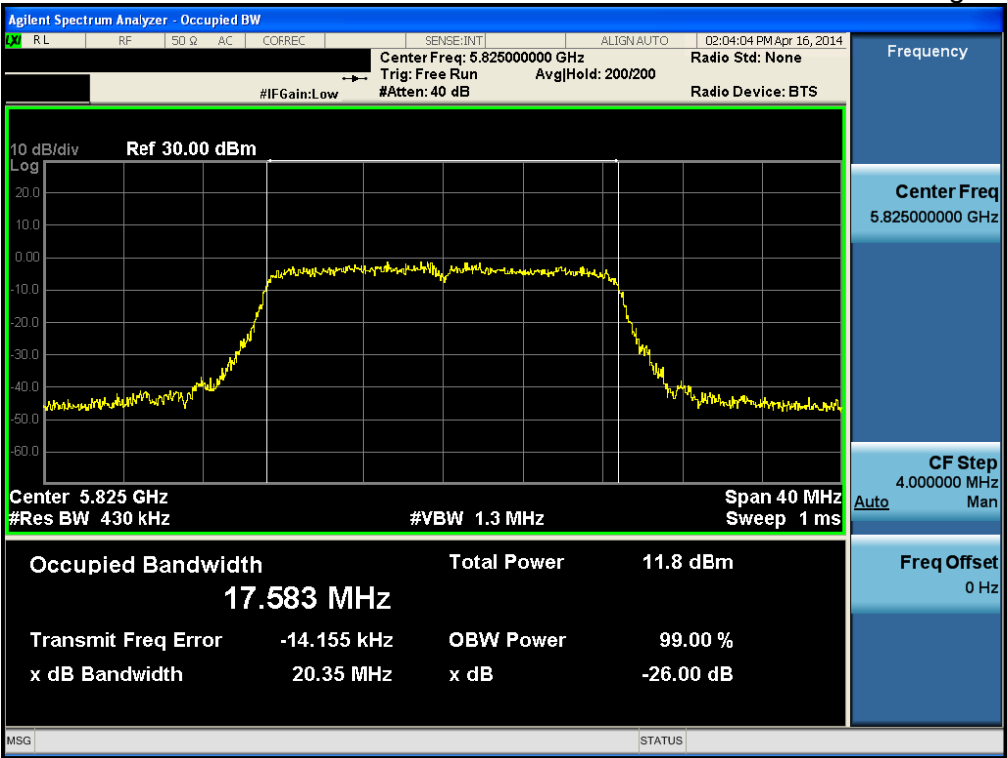


Occupied Bandwidth

TM 6 & ANT 2 & Middle

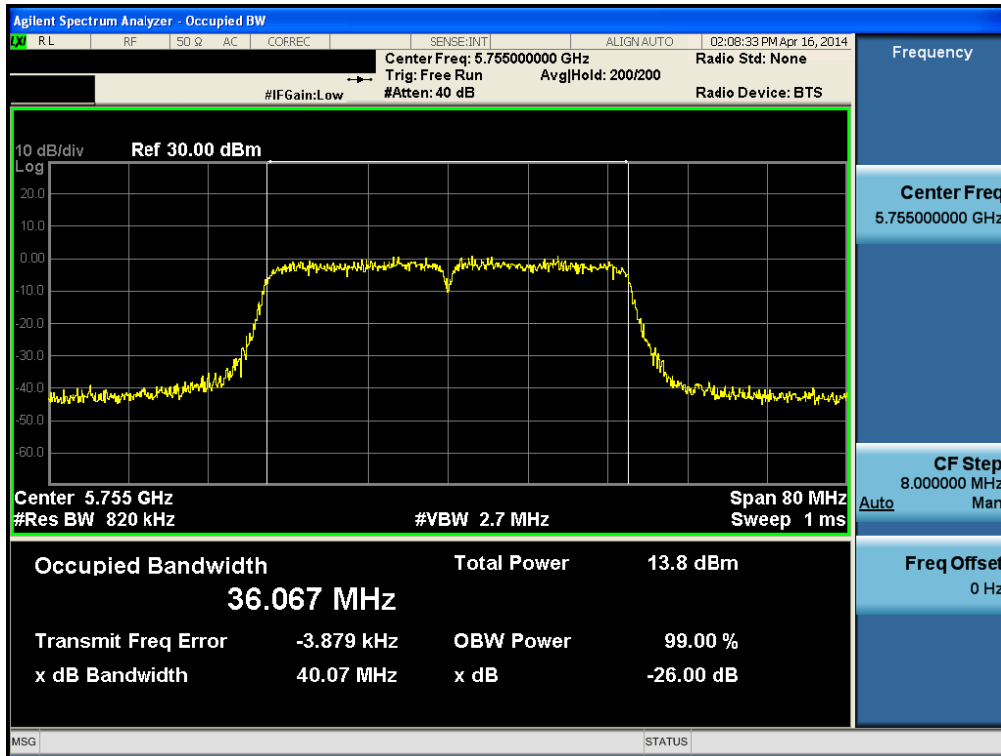


Occupied Bandwidth TM 6 & ANT 2 & Highest



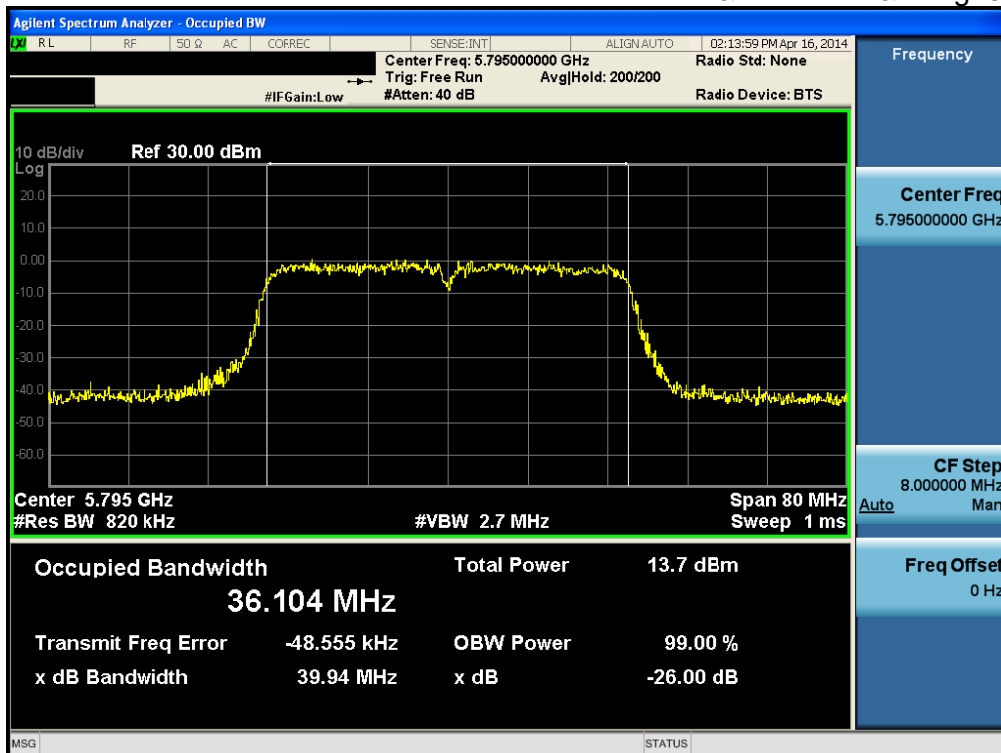
Occupied Bandwidth

TM 7 & ANT 1 & Lowest



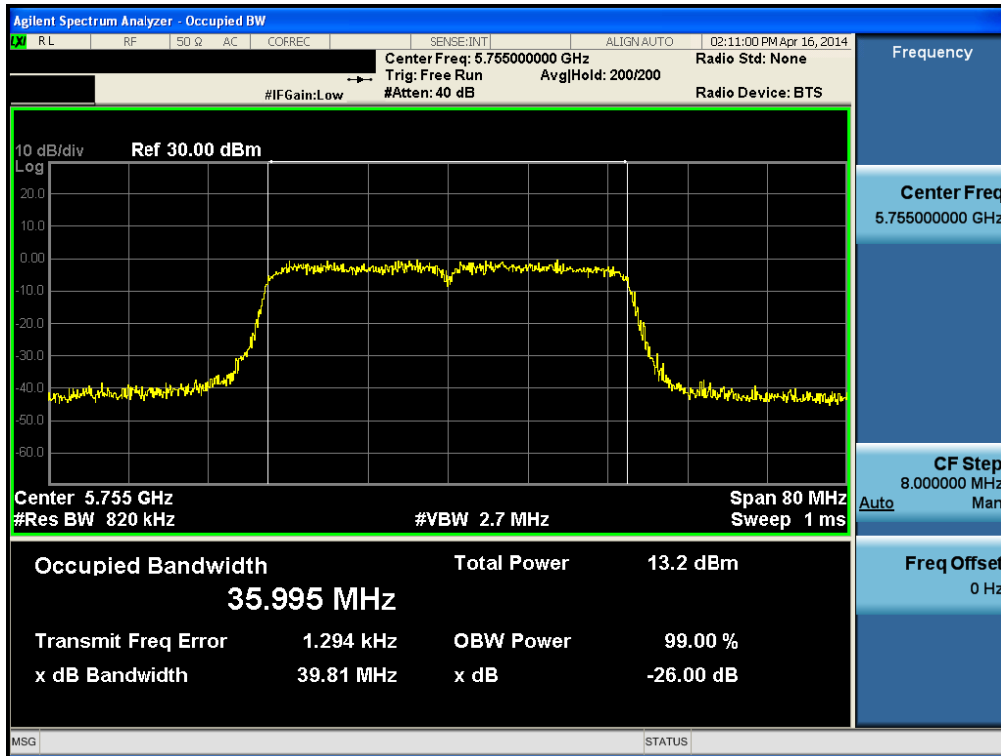
Occupied Bandwidth

TM 7 & ANT 1 & Highest



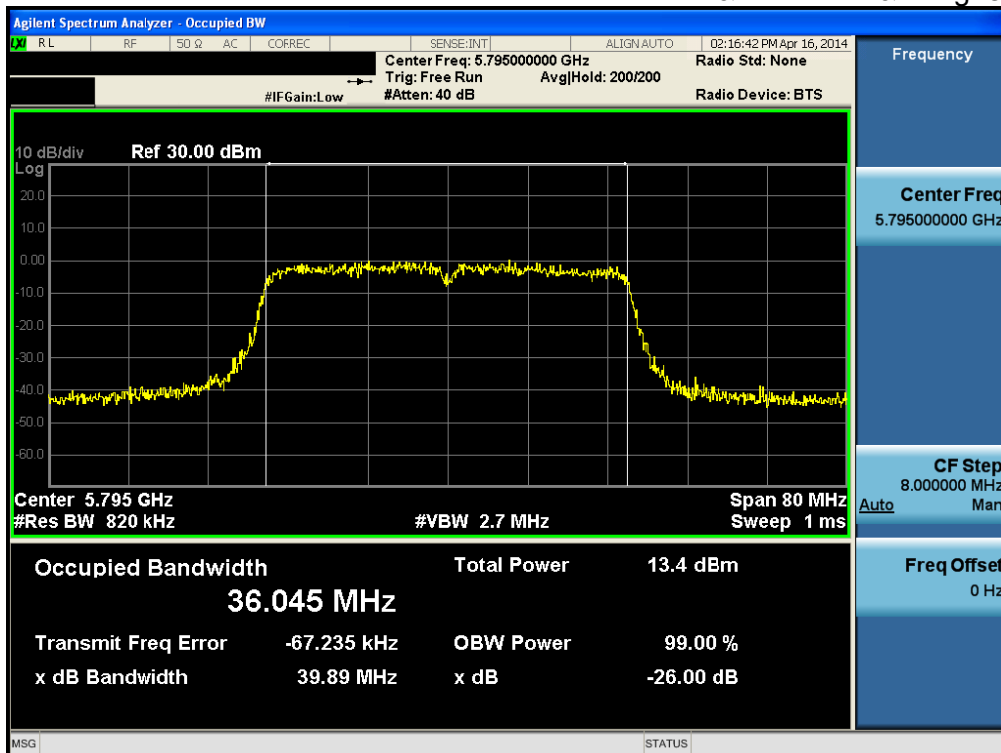
Occupied Bandwidth

TM 7 & ANT 2 & Lowest



Occupied Bandwidth

TM 7 & ANT 2 & Highest



9. LIST OF TEST EQUIPMENT

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
Spectrum Analyzer	Agilent	N9030A	13/10/29	14/10/29	MY53310140
Spectrum Analyzer	Agilent	N9020A	14/01/07	15/01/07	MY49100833
Spectrum Analyzer Harmonic Mixer	R&S OML	FSQ26 WR28	14/02/07	15/02/07	200445 KA100224-1
			14/02/07	15/02/07	
Power Meter & Wide Bandwidth Sensor	Anritsu	ML2496A	13/10/29	14/10/29	1338004
		MA2411B			1306053
		MA2490A			1249303
Vector Signal Generator	Rohde Schwarz	SMJ100A	14/01/07	15/01/07	100148
Signal Generator	Rohde Schwarz	SMF100A	13/07/22	14/07/22	102341
Digital Multimeter	H.P	34401A	14/02/27	15/02/27	3146A13475
DC Power Supply	Agilent	66332A	13/10/21	14/10/21	US37474353
Thermo hygrometer	BODYCOM	BJ5478	13/06/01	14/06/01	120612-1
Attenuator(3dB)	SMAJK	SMAJK-2-3	13/10/22	14/10/22	3
High-pass filter	Wainwright	WHKX3.0	13/09/12	14/09/12	9
High-pass filter	Wainwright	WHNX8.5	13/09/12	14/09/12	1
Amplifier (22dB)	H.P	8447E	14/01/07	15/01/07	2945A02865
Amplifier (30dB)	Agilent	8449B	14/02/27	15/02/27	3008A00370
LOOP Antenna	Schwarzbeck	FMZB1513	12/09/24	14/09/24	1513-128
BILOG ANTENNA	SCHAFFNER	CBL6112B	12/11/06	14/11/06	2737
Horn Antenna	ETS	3115	13/02/28	15/02/28	00021097
Horn Antenna	ETS	3117	13/06/14	15/06/14	00140394
HORN ANT	A.H.Systems	SAS-574	13/03/20	15/03/20	154
EMI TEST RECEIVER	R&S	ESU	14/01/07	15/01/07	100014
LISN	SCHWARZBECK	NNLK8121	13/08/12	14/08/12	NNLK8121-580

APPENDIX I

Duty cycle information

TEST PROCEDURE

Duty cycle measured using **section 6.0 b) of KDB558074 v03r1** :

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

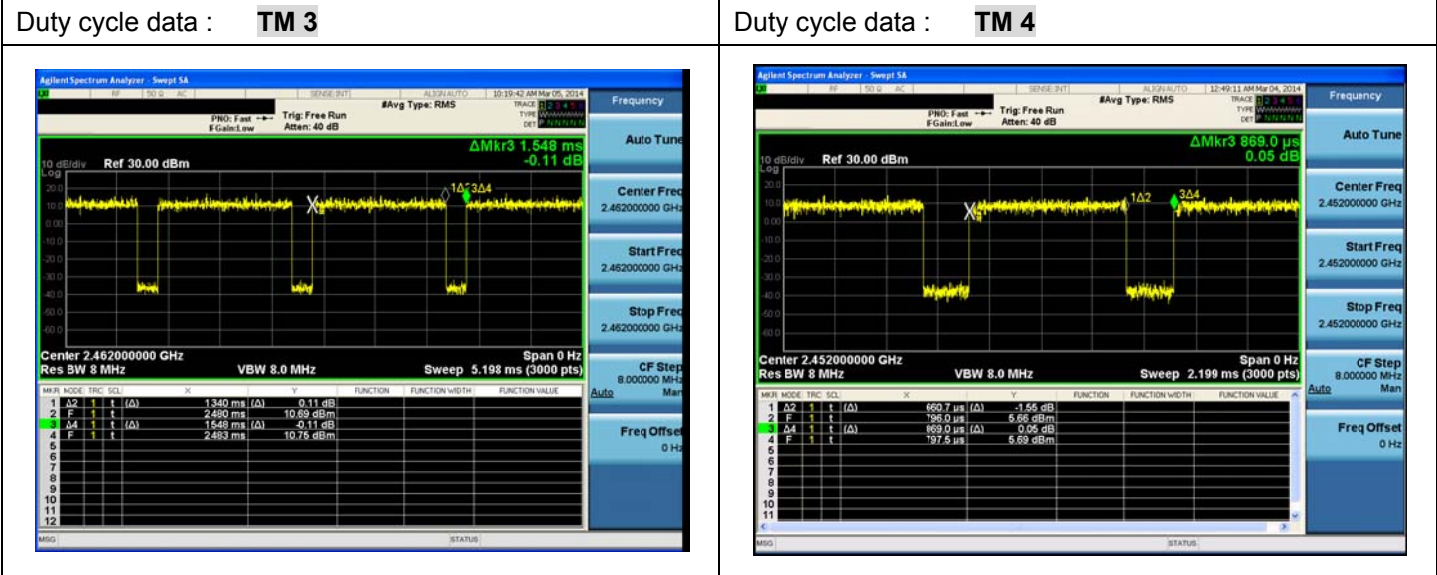
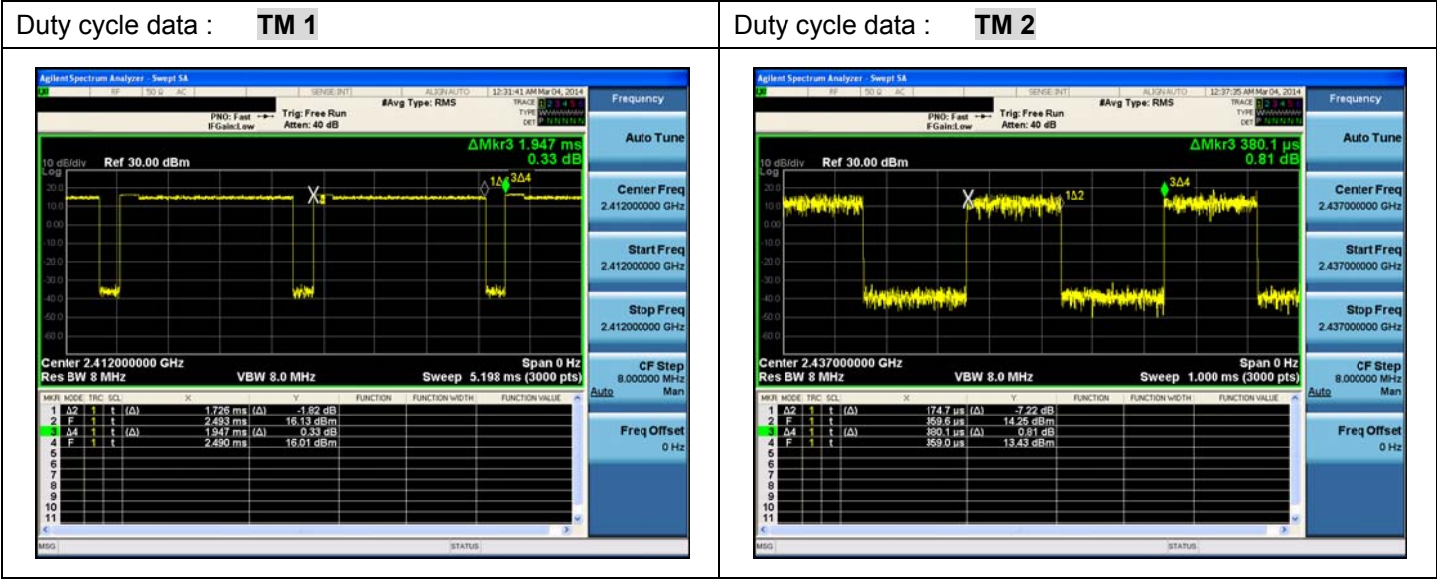
Set the center frequency of the instrument to the center frequency of the transmission. Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value. Set $VBW \geq RBW$. Set detector = peak or average.

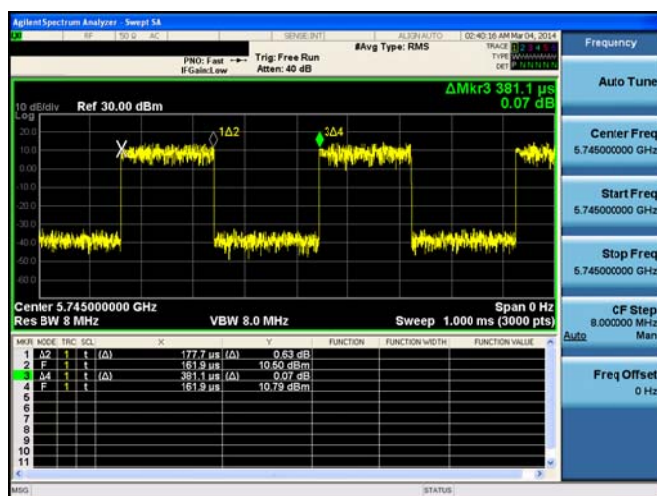
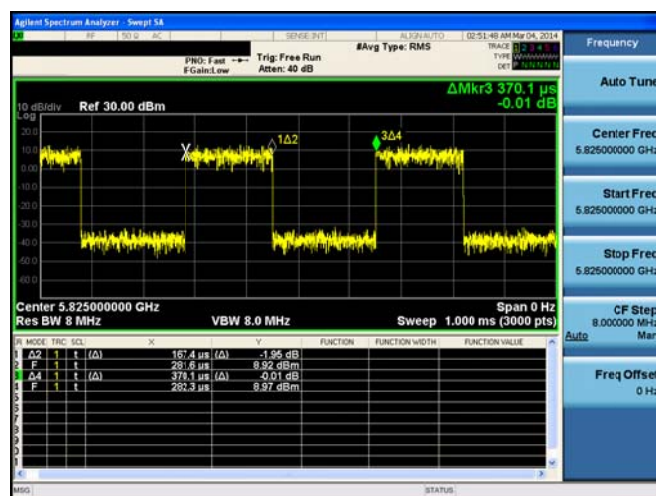
The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

TEST DATA

Test Mode	T _{ON} (ms)	T _{ON+OFF} (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
TM 1	1.726	1.947	88.65	0.53
TM 2	0.175	0.380	45.96	3.38
TM 3	1.340	1.548	86.56	0.63
TM 4	0.661	0.869	76.03	1.20
TM 5	0.178	0.381	46.63	3.32
TM 6	0.167	0.370	45.23	3.45
TM 7	0.099	0.302	32.64	4.87

Please refer to next page for actual test plot.



Duty cycle data : **TM 5**Duty cycle data : **TM 6**Duty cycle data : **TM 7**